

Luminaria

Código 05-9989-Z5-CKV3_33°

Nombre HUBBLE

Ensayo

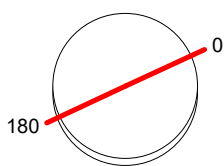
Código 05-9989-Z5-CKV3_33°

Nombre HUBBLE

Flujo Luminaria	1257 lm	Potencia Luminaria	11.5 W	Eficacia	109.304 lm/W	Eficiencia	100.00%
Flujo Fuente	1257 lm	Valor Máximo	2051.49 cd/klm	Posición	C=0.00 G=0.00	CG	Rotosimétrico
Luminaria Redonda		Diam.	109 mm	Altura	145 mm		
Área Luminosa Redonda		Diam.	78 mm	Altura	0 mm		
Área Luminosa Horizontal		0.004778 m2		Área Emisión sobre Pl. 180°		0.000000 m2	
Área Emisión sobre Pl. 0°		0.000000 m2		Área Emisión sobre Pl. 270°		0.000000 m2	
Área Emisión sobre Pl. 90°		0.000000 m2		Área de deslumbramiento a 76°		0.001156 m2	
Sist. de Coordn.		CG		Tipo de Simetría		Rotosimétrico	
Fecha		26-02-2018		Máximo Ángulo Gamma		90	
Distancia de Ensayo		0.00		Flujo de Ensayo		1142 lm	
Operador		qualitat		Tensión Nominal			
Temperatura				Corriente Nominal			
Humedad				Fotocélula			
Notas							

Fuentes de luz de la Luminaria						
Familia	Código LED	Nombre LED	Flujo [lm]	Pot. [W]	Cant.	
C.I.E.	99 99 100 100 100		1257.00	11.50	1	
F UTE	--	D DIN 5040 B NBN	A60 BZ 1			

Diam=109mm



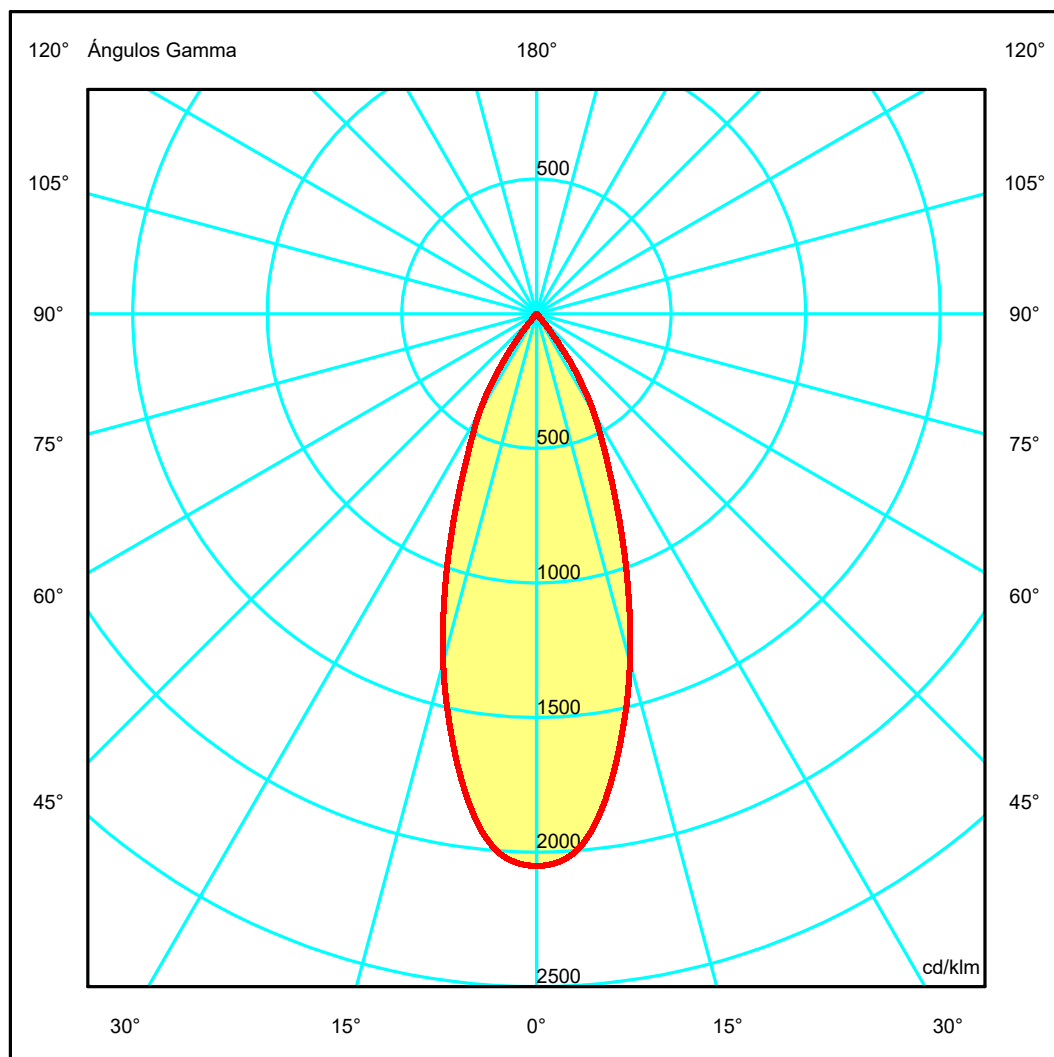
Semiplanos C

180.0 — 0.0

ULOR 0.00 %

DLOR100.00 %

RN 0.00 %



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Tabla de Intensidad Luminosa cd/klm

Tabla 1/1

C 0.00		C 0.00	
G 0.0	2051.49	G 46.0	7.13
G 1.0	2048.60	G 47.0	6.40
G 2.0	2042.20	G 48.0	5.92
G 3.0	2028.77	G 49.0	5.68
G 4.0	2007.52	G 50.0	5.63
G 5.0	1975.62	G 51.0	5.70
G 6.0	1935.53	G 52.0	5.86
G 7.0	1884.42	G 53.0	6.04
G 8.0	1827.17	G 54.0	6.23
G 9.0	1763.34	G 55.0	6.38
G 10.0	1696.32	G 56.0	6.48
G 11.0	1628.62	G 57.0	6.52
G 12.0	1557.97	G 58.0	6.48
G 13.0	1488.22	G 59.0	6.38
G 14.0	1414.09	G 60.0	6.24
G 15.0	1340.37	G 61.0	6.08
G 16.0	1262.70	G 62.0	5.94
G 17.0	1186.94	G 63.0	5.81
G 18.0	1109.48	G 64.0	5.70
G 19.0	1033.67	G 65.0	5.58
G 20.0	959.51	G 66.0	5.45
G 21.0	886.74	G 67.0	5.30
G 22.0	818.45	G 68.0	5.09
G 23.0	752.13	G 69.0	4.87
G 24.0	692.58	G 70.0	4.58
G 25.0	636.35	G 71.0	4.29
G 26.0	587.37	G 72.0	3.93
G 27.0	542.15	G 73.0	3.50
G 28.0	502.25	G 74.0	2.94
G 29.0	465.66	G 75.0	2.27
G 30.0	428.72	G 76.0	1.64
G 31.0	390.55	G 77.0	1.07
G 32.0	348.18	G 78.0	0.68
G 33.0	304.30	G 79.0	0.40
G 34.0	258.50	G 80.0	0.22
G 35.0	214.72	G 81.0	0.14
G 36.0	171.37	G 82.0	0.09
G 37.0	131.23	G 83.0	0.06
G 38.0	94.72	G 84.0	0.05
G 39.0	63.59	G 85.0	0.04
G 40.0	41.26	G 86.0	0.04
G 41.0	25.83	G 87.0	0.03
G 42.0	17.37	G 88.0	0.03
G 43.0	13.26	G 89.0	0.02
G 44.0	10.66	G 90.0	0.02
G 45.0	8.56		

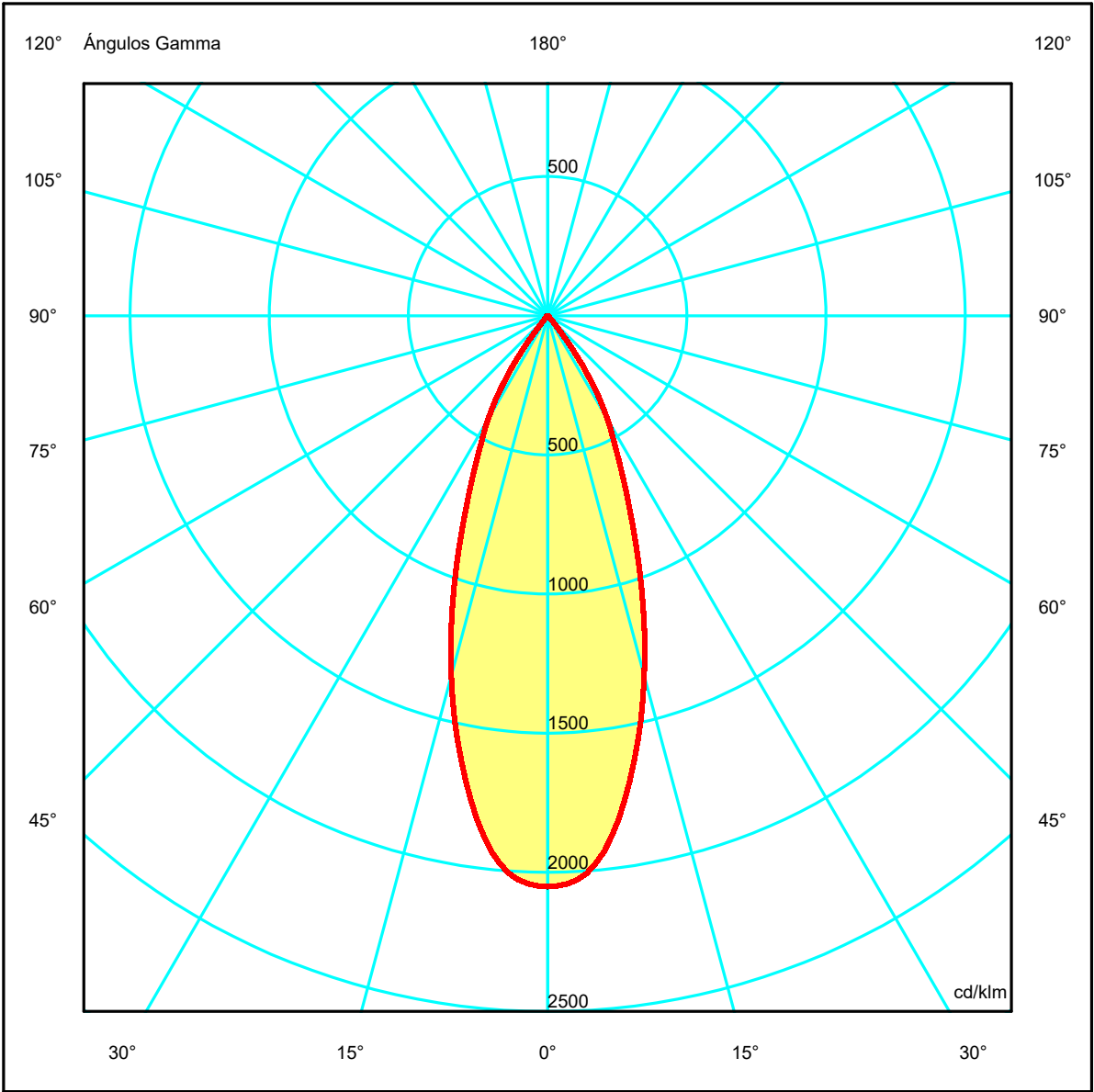
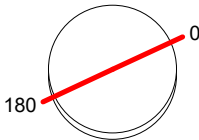
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Código 05-9989-Z5-CKV3_33°
Nombre HUBBLE
Ensayo
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Diam=109mm

Semiplanos C

180.0 0.0



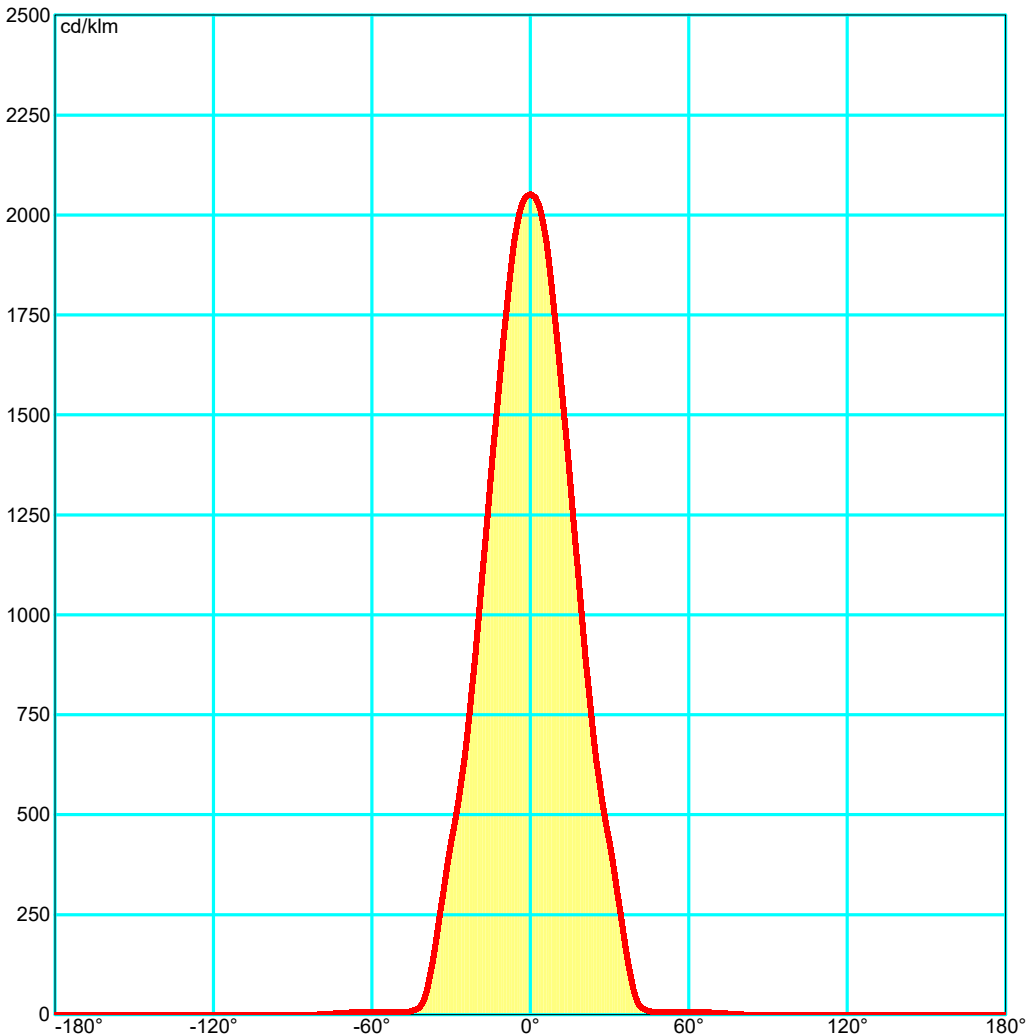
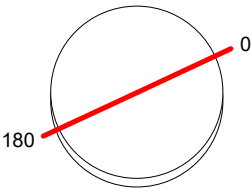
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180.0 0.0



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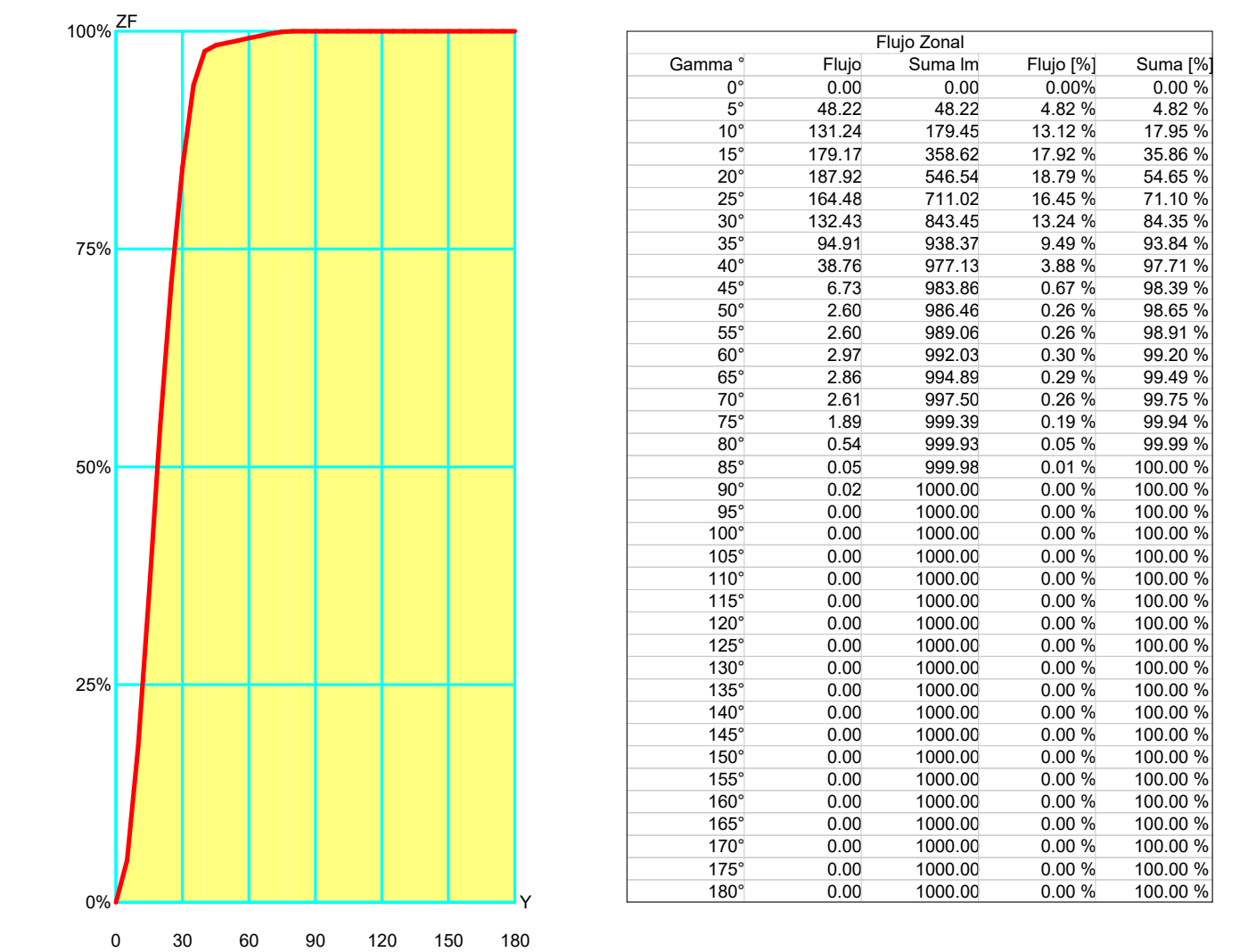
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Flujo Fuente	1257 lm	Valor Máximo	2051.49 cd/klm	Posición	C=0.00 G=0.00	CG	Rotosimétrico

UGR
S = 0.250

Reflectancias										
Techo/Cavidad	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Paredes	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
PDT	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Dimensiones del Local										
Vista Lateral						Vista Longitudinal				
x=2H y=2H	16.4	17.0	16.6	17.2	17.4	16.4	17.0	16.6	17.2	17.4
x=2H y=3H	16.4	17.0	16.7	17.2	17.4	16.4	17.0	16.7	17.2	17.4
x=2H y=4H	16.4	16.9	16.7	17.2	17.4	16.4	16.9	16.7	17.2	17.4
x=2H y=6H	16.3	16.8	16.6	17.1	17.4	16.3	16.8	16.6	17.1	17.4
x=2H y=8H	16.3	16.8	16.6	17.0	17.3	16.3	16.8	16.6	17.0	17.3
x=2H y=12H	16.2	16.7	16.6	17.0	17.3	16.2	16.7	16.6	17.0	17.3
x=4H y=2H	16.2	16.8	16.5	17.0	17.3	16.2	16.8	16.5	17.0	17.3
x=4H y=3H	16.3	16.8	16.6	17.1	17.4	16.3	16.8	16.6	17.1	17.4
x=4H y=4H	16.3	16.7	16.7	17.0	17.4	16.3	16.7	16.7	17.0	17.4
x=4H y=6H	16.2	16.6	16.6	16.9	17.3	16.2	16.6	16.6	16.9	17.3
x=4H y=8H	16.2	16.5	16.6	16.9	17.3	16.2	16.5	16.6	16.9	17.3
x=4H y=12H	16.2	16.4	16.6	16.8	17.2	16.2	16.4	16.6	16.8	17.2
x=8H y=4H	16.2	16.5	16.6	16.9	17.3	16.2	16.5	16.6	16.9	17.3
x=8H y=6H	16.1	16.4	16.6	16.8	17.2	16.1	16.4	16.6	16.8	17.2
x=8H y=8H	16.1	16.3	16.6	16.7	17.2	16.1	16.3	16.6	16.7	17.2
x=8H y=12H	16.1	16.2	16.5	16.7	17.2	16.1	16.2	16.5	16.7	17.2
x=12H y=4H	16.2	16.4	16.6	16.8	17.3	16.2	16.4	16.6	16.8	17.3
x=12H y=6H	16.1	16.3	16.6	16.7	17.2	16.1	16.3	16.6	16.7	17.2
x=12H y=8H	16.1	16.2	16.5	16.7	17.2	16.1	16.2	16.5	16.7	17.2

Luminaria							
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Flujo Total=1257.00 Flujo Luminaria=1257.00																		
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00						
DRR	0.73	0.77	0.82	0.85	0.88	0.92	0.95	0.97	0.99	1.00	1.02	1.02						
RC	-	-	-	-	-	-	-	-	-	-	-	-						
Flujo Zonal por 1000 Lúmenes																		
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	179	547	843	977	986	992	998	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Códigos de Flujo C.I.E.																		
99 99 100 100 100																		
C.I.E.	-/-/-/-/-/-/-/-/-/-/-/-												LOR	100.00000 %				
D DIN 5040	A60												ULOR	0.00000 %				
F UTE	--												DLOR	100.00000 %				
B NBN	BZ 1												UFF	0.00000 %				
RN	0.00000 %												DFF	100.00000 %				
BLF	1.0												FFR	0.00000 %				



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Flujo Fuente	1257 lm	Valor Máximo	2051.49 cd/klm	Posición	C=0.00 G=0.00	CG Rotosimétrico	

Utilización CIE

Montaje	Directo				Normalización			Normalizados				Raz. de Susp.				1/3		CIE Estándar									
Techo																											
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000				
0.60	161	144	90	81	137	77	94	80	50	43	31	24	18	12	40	25	22	14	12	21	12	11	0				
0.80	194	178	99	91	169	87	123	108	60	52	40	32	25	19	49	33	30	21	18	29	18	16	0				
1.00	217	202	100	94	192	90	147	131	65	58	47	38	32	25	55	40	36	28	24	35	24	22	0				
1.25	241	227	102	96	216	93	173	157	71	65	54	46	40	32	61	47	43	35	31	41	31	28	0				
1.50	259	246	103	98	234	94	193	178	75	69	59	51	46	38	65	52	49	41	37	47	37	34	0				
2.00	282	271	100	97	258	93	224	210	79	74	67	60	56	49	70	60	57	51	47	55	47	43	0				
2.50	298	288	98	95	275	92	246	233	81	78	72	66	64	57	74	66	63	59	55	61	55	51	0				
3.00	309	300	96	93	287	91	263	251	83	80	76	70	70	63	76	70	68	65	61	65	61	57	0				
4.00	326	319	96	94	305	92	286	276	87	84	82	77	78	72	81	77	75	73	69	72	69	65	0				
5.00	337	331	96	94	317	92	302	293	89	87	86	82	83	78	84	81	79	79	75	77	75	71	0				
10.00	361	357	96	96	343	94	337	332	94	93	95	93	95	92	90	91	90	91	89	87	88	85	0				
20.00	374	373	98	98	358	96	357	354	98	97	100	99	102	100	95	97	96	99	98	94	96	93	0				

Pared

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	277	269	188	184	264	181	208	202	146	143	123	120	106	104	142	120	119	104	103	118	103	103	80
0.80	311	301	201	197	294	194	239	231	162	158	139	135	121	118	155	135	134	119	118	132	118	117	90
1.00	325	315	198	194	306	191	255	246	163	159	142	138	126	123	156	138	136	124	122	135	121	120	90
1.25	342	332	198	195	321	191	274	264	167	163	148	143	133	129	159	143	141	129	127	138	127	124	91
1.50	353	344	196	193	330	189	287	276	168	164	151	146	137	132	159	145	143	133	130	140	129	126	91
2.00	353	345	177	174	328	170	292	282	154	151	141	137	130	125	145	134	132	125	122	128	120	116	77
2.50	345	338	155	153	319	148	289	279	137	134	127	123	119	113	127	119	118	112	109	113	106	102	60
3.00	333	326	132	131	306	126	281	271	117	115	110	106	103	98	108	102	100	96	93	94	90	84	41
4.00	323	317	109	108	295	103	275	267	98	96	93	89	88	83	88	84	82	80	77	76	73	66	20
5.00	310	305	89	88	282	83	266	258	79	77	76	72	72	68	69	66	65	64	61	57	55	48	1
10.00	233	230	0	0	203	0	196	191	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.00	91	90	0	0	60	0	59	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

P.Trab.

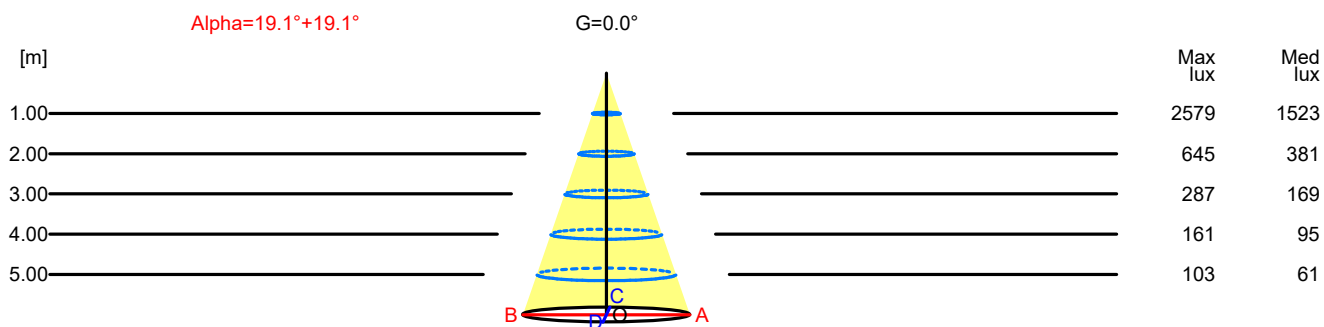
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	910	900	849	844	895	841	826	820	796	792	765	762	743	741	790	762	761	742	741	760	741	740	732
0.80	971	960	894	889	951	885	883	874	842	838	812	807	789	786	834	807	805	786	785	804	784	783	775
1.00	1000	1000	934	929	1000	924	938	927	887	882	859	853	837	832	877	852	851	833	831	848	830	828	820
1.25	1000	1000	965	960	1000	954	983	971	921	916	895	889	874	869	909	887	885	869	866	881	865	862	854
1.50	1000	1000	986	982	1000	975	1000	1000	945	941	922	916	903	896	933	913	910	896	893	905	891	886	879
2.00	1000	1000	1000	1000	1000	1000	1000	1000	986	982	968	962	953	945	972	957	954	944	940	947	936	930	923
2.50	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	998	992	986	979	997	986	983	976	972	975	966	959	952
3.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	999	995	988	979	973
4.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	996	990
5.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
10.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

LM53 SHR C0-C180: 0.611 SHR C90-C270: 0.611 SHR Superficial: 0.643

Luminaria Código 05-9989-Z5-CKV3_33° Nombre HUBBLE Ensayo Código 05-9989-Z5-CKV3_33° Nombre HUBBLE							
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Apertura a 50.00 % de Max Intensidad											
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	0.35	0.69	1.04	1.39	1.73	OC	0.35	0.69	1.04	1.39	1.73
OB	0.35	0.69	1.04	1.39	1.73	OD	0.35	0.69	1.04	1.39	1.73

Intensidades Luminosas [cd/klm]											
	0	5	15	25	35	45	55	65	75	85	
OA	2578.72	2483.35	1684.85	799.89	269.90	10.76	8.02	7.01	2.86	0.05	
OB	2578.72	2483.35	1684.85	799.89	269.90	10.76	8.02	7.01	2.86	0.05	
OC	2578.72	2483.35	1684.85	799.89	269.90	10.76	8.02	7.01	2.86	0.05	
OD	2578.72	2483.35	1684.85	799.89	269.90	10.76	8.02	7.01	2.86	0.05	



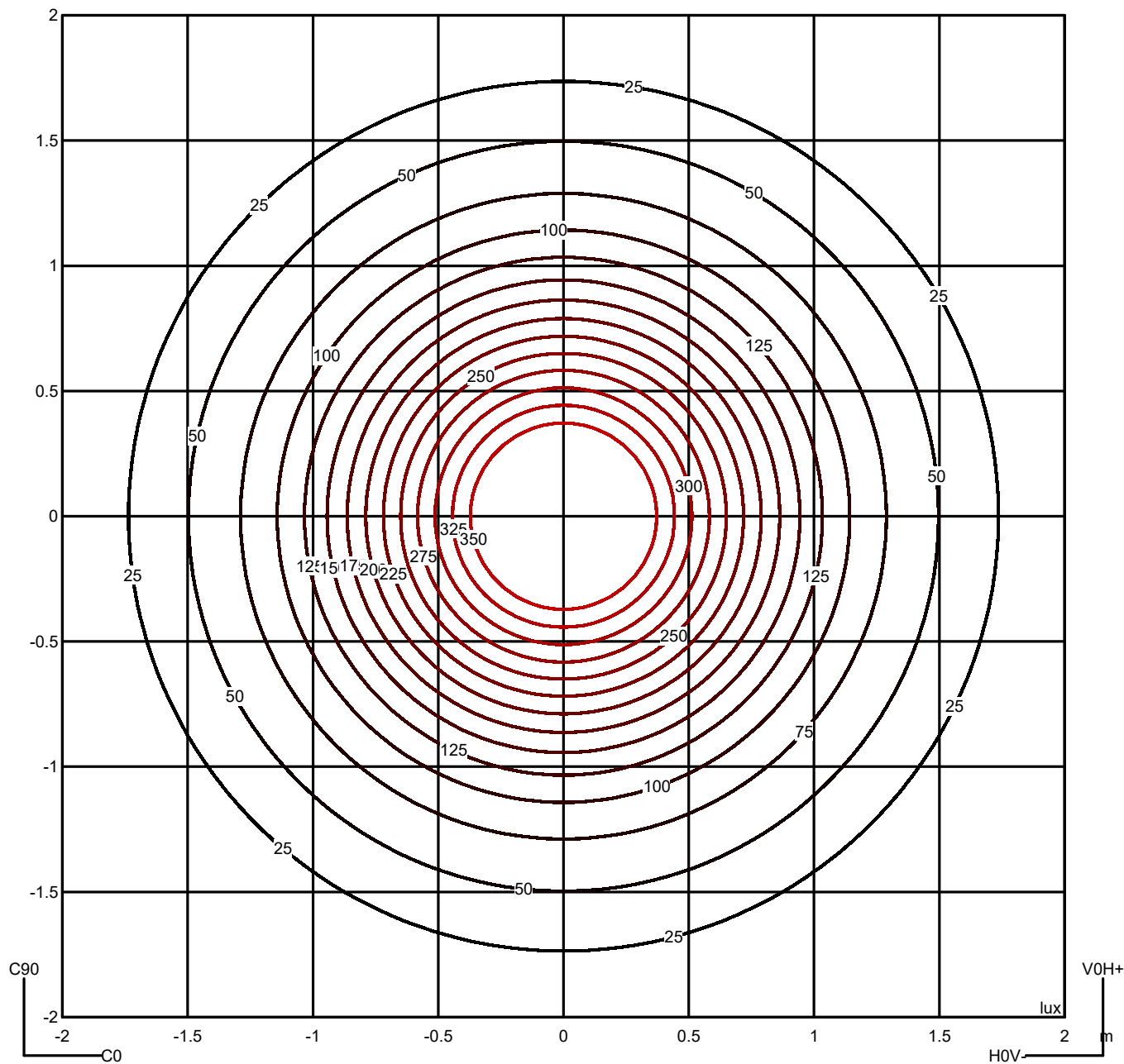
H[m]	D[m]	Max lux	Med lux	Alpha=19.1°+19.1°	G=0.0	
1.00	0.69	2579	1523			
2.00	1.39	645	381			
3.00	2.08	287	169			
4.00	2.77	161	95			
5.00	3.46	103	61			

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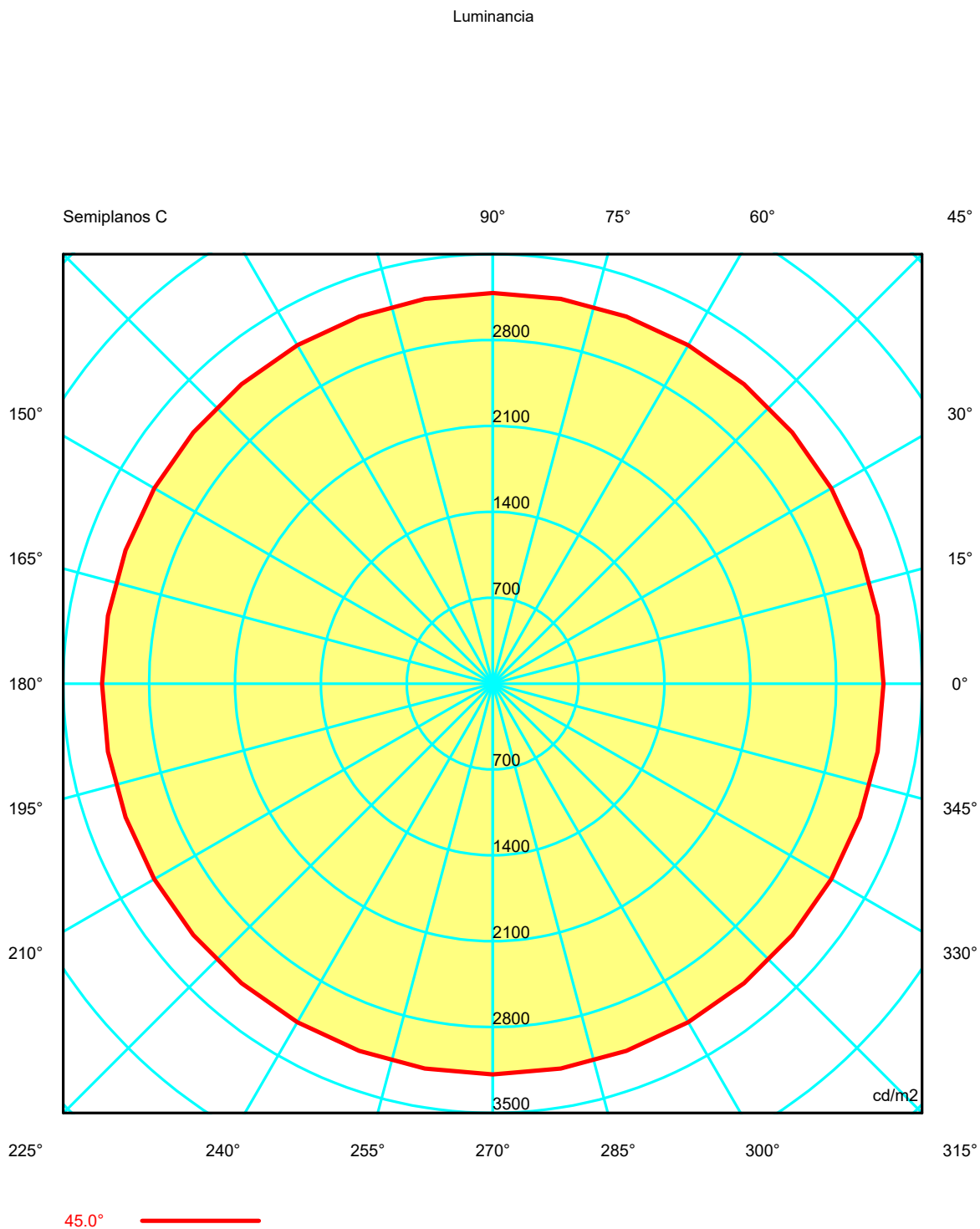
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Isolux (Suelo)

Posición Luminaria X=0.00m Y=0.00m Z=2.50m



Luminaria							
Código	05-9989-Z5-CKV3_33°						
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Código	05-9989-Z5-CKV3_33°
Nombre	HUBBLE

Flujo Luminaria	1257 lm	Potencia Luminaria	11.5 W	Eficacia	109.304 lm/W	Eficiencia	100.00%
Flujo Fuente	1257 lm	Valor Máximo	2051.49 cd/klm	Posición	C=0.00 G=0.00	CG Rotosimétrico	

Luminance cd/m2 Tabla 1/3													
	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00
G 0.0	539665.92	539665.92	539665.92	539665.92	539665.92	539665.92	539665.92	539665.92	539665.92	539665.92	539665.92	539665.92	539665.92
G 5.0	521692.82	521692.82	521692.82	521692.82	521692.82	521692.82	521692.82	521692.82	521692.82	521692.82	521692.82	521692.82	521692.82
G 10.0	453118.44	453118.44	453118.44	453118.44	453118.44	453118.44	453118.44	453118.44	453118.44	453118.44	453118.44	453118.44	453118.44
G 15.0	365037.67	365037.67	365037.67	365037.67	365037.67	365037.67	365037.67	365037.67	365037.67	365037.67	365037.67	365037.67	365037.67
G 20.0	268608.57	268608.57	268608.57	268608.57	268608.57	268608.57	268608.57	268608.57	268608.57	268608.57	268608.57	268608.57	268608.57
G 25.0	184703.61	184703.61	184703.61	184703.61	184703.61	184703.61	184703.61	184703.61	184703.61	184703.61	184703.61	184703.61	184703.61
G 30.0	130227.16	130227.16	130227.16	130227.16	130227.16	130227.16	130227.16	130227.16	130227.16	130227.16	130227.16	130227.16	130227.16
G 35.0	68954.09	68954.09	68954.09	68954.09	68954.09	68954.09	68954.09	68954.09	68954.09	68954.09	68954.09	68954.09	68954.09
G 40.0	14169.15	14169.15	14169.15	14169.15	14169.15	14169.15	14169.15	14169.15	14169.15	14169.15	14169.15	14169.15	14169.15
G 45.0	3185.31	3185.31	3185.31	3185.31	3185.31	3185.31	3185.31	3185.31	3185.31	3185.31	3185.31	3185.31	3185.31
G 50.0	2305.90	2305.90	2305.90	2305.90	2305.90	2305.90	2305.90	2305.90	2305.90	2305.90	2305.90	2305.90	2305.90
G 55.0	2926.45	2926.45	2926.45	2926.45	2926.45	2926.45	2926.45	2926.45	2926.45	2926.45	2926.45	2926.45	2926.45
G 60.0	3282.53	3282.53	3282.53	3282.53	3282.53	3282.53	3282.53	3282.53	3282.53	3282.53	3282.53	3282.53	3282.53
G 65.0	3473.11	3473.11	3473.11	3473.11	3473.11	3473.11	3473.11	3473.11	3473.11	3473.11	3473.11	3473.11	3473.11
G 70.0	3524.60	3524.60	3524.60	3524.60	3524.60	3524.60	3524.60	3524.60	3524.60	3524.60	3524.60	3524.60	3524.60
G 75.0	2312.05	2312.05	2312.05	2312.05	2312.05	2312.05	2312.05	2312.05	2312.05	2312.05	2312.05	2312.05	2312.05
G 80.0	337.76	337.76	337.76	337.76	337.76	337.76	337.76	337.76	337.76	337.76	337.76	337.76	337.76
G 85.0	121.94	121.94	121.94	121.94	121.94	121.94	121.94	121.94	121.94	121.94	121.94	121.94	121.94
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaria	
Código	05-9989-Z5-CKV3_33°
Nombre	HUBBLE
Ensayo	
Código	05-9989-Z5-CKV3_33°
Nombre	HUBBLE

Flujo Luminaria	1257 lm	Potencia Luminaria	11.5 W	Eficacia	109.304 lm/W	Eficiencia	100.00%
Flujo Fuente	1257 lm	Valor Máximo	2051.49 cd/klm	Posición	C=0.00 G=0.00	CG Rotosimétrico	

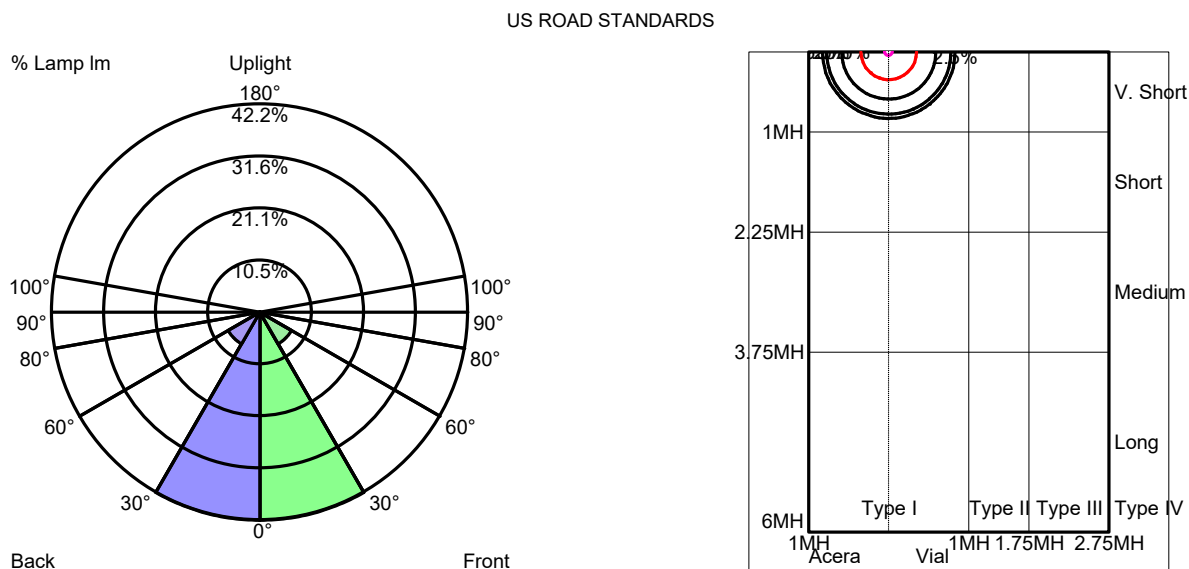
Luminance cd/m2													
Tabla 2/3													
	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 0.0	539665.92	539665.92	539665.92	539665.92	539665.92	539665.92	539665.92	539665.92	539665.92	539665.92	539665.92	539665.92	539665.92
G 5.0	521692.82	521692.82	521692.82	521692.82	521692.82	521692.82	521692.82	521692.82	521692.82	521692.82	521692.82	521692.82	521692.82
G 10.0	453118.44	453118.44	453118.44	453118.44	453118.44	453118.44	453118.44	453118.44	453118.44	453118.44	453118.44	453118.44	453118.44
G 15.0	365037.67	365037.67	365037.67	365037.67	365037.67	365037.67	365037.67	365037.67	365037.67	365037.67	365037.67	365037.67	365037.67
G 20.0	268608.57	268608.57	268608.57	268608.57	268608.57	268608.57	268608.57	268608.57	268608.57	268608.57	268608.57	268608.57	268608.57
G 25.0	184703.61	184703.61	184703.61	184703.61	184703.61	184703.61	184703.61	184703.61	184703.61	184703.61	184703.61	184703.61	184703.61
G 30.0	130227.16	130227.16	130227.16	130227.16	130227.16	130227.16	130227.16	130227.16	130227.16	130227.16	130227.16	130227.16	130227.16
G 35.0	68954.09	68954.09	68954.09	68954.09	68954.09	68954.09	68954.09	68954.09	68954.09	68954.09	68954.09	68954.09	68954.09
G 40.0	14169.15	14169.15	14169.15	14169.15	14169.15	14169.15	14169.15	14169.15	14169.15	14169.15	14169.15	14169.15	14169.15
G 45.0	3185.31	3185.31	3185.31	3185.31	3185.31	3185.31	3185.31	3185.31	3185.31	3185.31	3185.31	3185.31	3185.31
G 50.0	2305.90	2305.90	2305.90	2305.90	2305.90	2305.90	2305.90	2305.90	2305.90	2305.90	2305.90	2305.90	2305.90
G 55.0	2926.45	2926.45	2926.45	2926.45	2926.45	2926.45	2926.45	2926.45	2926.45	2926.45	2926.45	2926.45	2926.45
G 60.0	3282.53	3282.53	3282.53	3282.53	3282.53	3282.53	3282.53	3282.53	3282.53	3282.53	3282.53	3282.53	3282.53
G 65.0	3473.11	3473.11	3473.11	3473.11	3473.11	3473.11	3473.11	3473.11	3473.11	3473.11	3473.11	3473.11	3473.11
G 70.0	3524.60	3524.60	3524.60	3524.60	3524.60	3524.60	3524.60	3524.60	3524.60	3524.60	3524.60	3524.60	3524.60
G 75.0	2312.05	2312.05	2312.05	2312.05	2312.05	2312.05	2312.05	2312.05	2312.05	2312.05	2312.05	2312.05	2312.05
G 80.0	337.76	337.76	337.76	337.76	337.76	337.76	337.76	337.76	337.76	337.76	337.76	337.76	337.76
G 85.0	121.94	121.94	121.94	121.94	121.94	121.94	121.94	121.94	121.94	121.94	121.94	121.94	121.94
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaria	
Código	05-9989-Z5-CKV3_33°
Nombre	HUBBLE
Ensayo	
Código	05-9989-Z5-CKV3_33°
Nombre	HUBBLE

Flujo Luminaria	1257 lm	Potencia Luminaria	11.5 W	Eficacia	109.304 lm/W	Eficiencia	100.00%
Flujo Fuente	1257 lm	Valor Máximo	2051.49 cd/klm	Posición	C=0.00 G=0.00	CG	Rotosimétrico

Luminance cd/m2										
Tabla 3/3										
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	539665.92	539665.92	539665.92	539665.92	539665.92	539665.92	539665.92	539665.92	539665.92	539665.92
G 5.0	521692.82	521692.82	521692.82	521692.82	521692.82	521692.82	521692.82	521692.82	521692.82	521692.82
G 10.0	453118.44	453118.44	453118.44	453118.44	453118.44	453118.44	453118.44	453118.44	453118.44	453118.44
G 15.0	365037.67	365037.67	365037.67	365037.67	365037.67	365037.67	365037.67	365037.67	365037.67	365037.67
G 20.0	268608.57	268608.57	268608.57	268608.57	268608.57	268608.57	268608.57	268608.57	268608.57	268608.57
G 25.0	184703.61	184703.61	184703.61	184703.61	184703.61	184703.61	184703.61	184703.61	184703.61	184703.61
G 30.0	130227.16	130227.16	130227.16	130227.16	130227.16	130227.16	130227.16	130227.16	130227.16	130227.16
G 35.0	68954.09	68954.09	68954.09	68954.09	68954.09	68954.09	68954.09	68954.09	68954.09	68954.09
G 40.0	14169.15	14169.15	14169.15	14169.15	14169.15	14169.15	14169.15	14169.15	14169.15	14169.15
G 45.0	3185.31	3185.31	3185.31	3185.31	3185.31	3185.31	3185.31	3185.31	3185.31	3185.31
G 50.0	2305.90	2305.90	2305.90	2305.90	2305.90	2305.90	2305.90	2305.90	2305.90	2305.90
G 55.0	2926.45	2926.45	2926.45	2926.45	2926.45	2926.45	2926.45	2926.45	2926.45	2926.45
G 60.0	3282.53	3282.53	3282.53	3282.53	3282.53	3282.53	3282.53	3282.53	3282.53	3282.53
G 65.0	3473.11	3473.11	3473.11	3473.11	3473.11	3473.11	3473.11	3473.11	3473.11	3473.11
G 70.0	3524.60	3524.60	3524.60	3524.60	3524.60	3524.60	3524.60	3524.60	3524.60	3524.60
G 75.0	2312.05	2312.05	2312.05	2312.05	2312.05	2312.05	2312.05	2312.05	2312.05	2312.05
G 80.0	337.76	337.76	337.76	337.76	337.76	337.76	337.76	337.76	337.76	337.76
G 85.0	121.94	121.94	121.94	121.94	121.94	121.94	121.94	121.94	121.94	121.94
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaria Código 05-9989-Z5-CKV3_33° Nombre HUBBLE Ensayo Código 05-9989-Z5-CKV3_33° Nombre HUBBLE							
Flujo Luminaria	1257 lm	Potencia Luminaria	11.5 W	Eficacia	109.304 lm/W	Eficiencia	100.00%
Flujo Fuente	1257 lm	Valor Máximo	2051.49 cd/klm	Posición	C=0.00 G=0.00	CG	Rotosimétrico



Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	530.1 lm	42.2 %	42.2 %
FM	30° -- 60°	93.4 lm	7.4 %	7.4 %
FH	60° -- 80°	5.0 lm	0.4 %	0.4 %
FVH	80° -- 90°	0.0 lm	0.0 %	0.0 %
BL	0° -- 30°	530.1 lm	42.2 %	42.2 %
BM	30° -- 60°	93.4 lm	7.4 %	7.4 %
BH	60° -- 80°	5.0 lm	0.4 %	0.4 %
BVH	80° -- 90°	0.0 lm	0.0 %	0.0 %
UL	90° -- 100°	0.0 lm	0.0 %	0.0 %
UH	100° -- 180°	0.0 lm	0.0 %	0.0 %
TOTALS		1257.0 lm	100.0 %	100.0 %
BUG B2 U0 G0 Type V Very Short Quadrilateral Symmetry				