

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: HALO

Report Number: P709437

Luminaire Tested: SLST105MB

Issue Date: 9/19/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P709437  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2305-015-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: SLST105MB  
Description: SLST SOLAR AREA FLOODLIGHT  
Light Source: 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1117.9 lumens  
Efficiency: N/A  
Efficacy: 157.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 0.96' x H: 0.09')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0

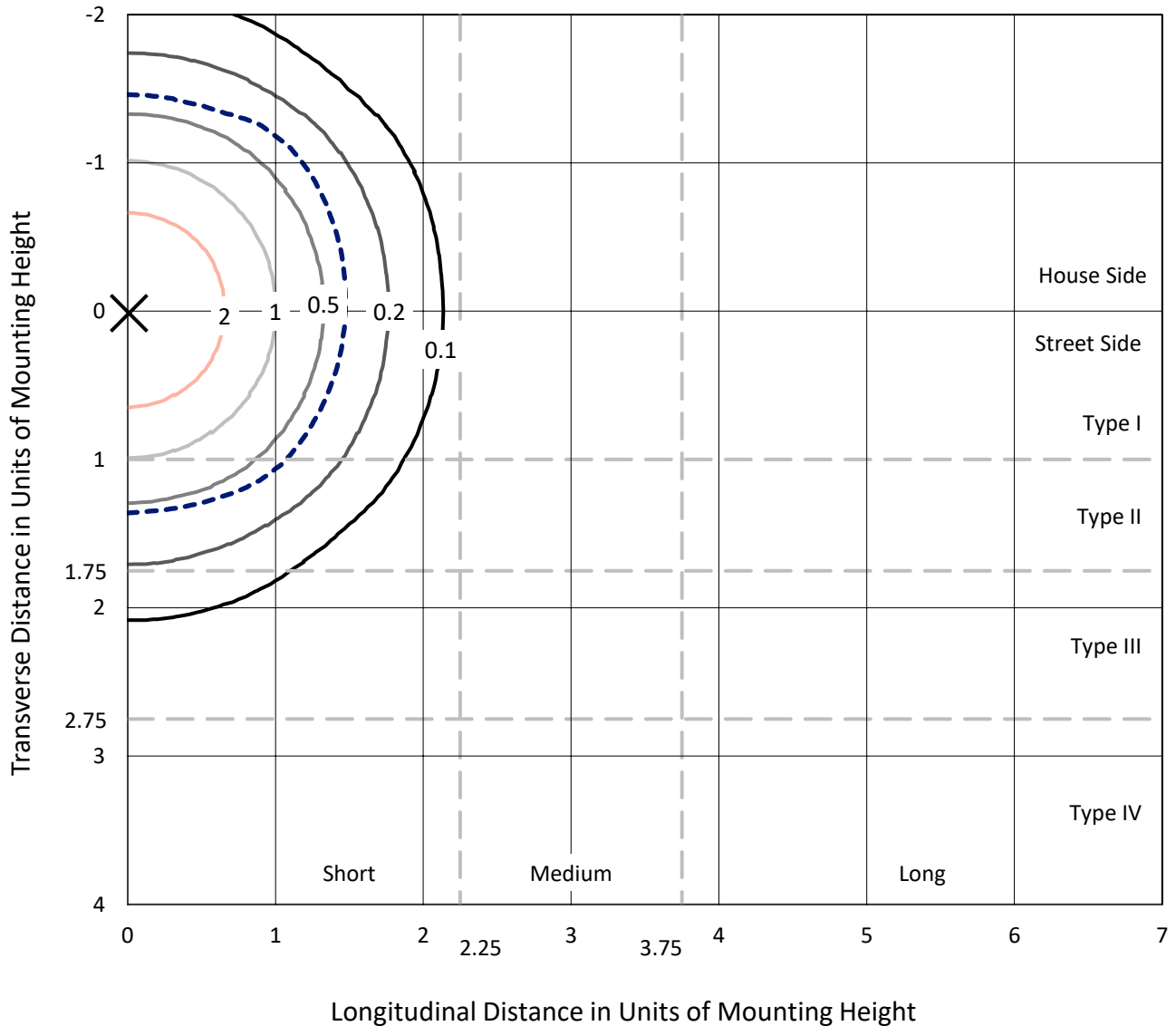
Input Watts (W): 7.1  
Input Voltage (V):  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P709437  
 CATALOG NUMBER: SLST105MB

### Iso-Footcandle Lines of Horizontal Illumination

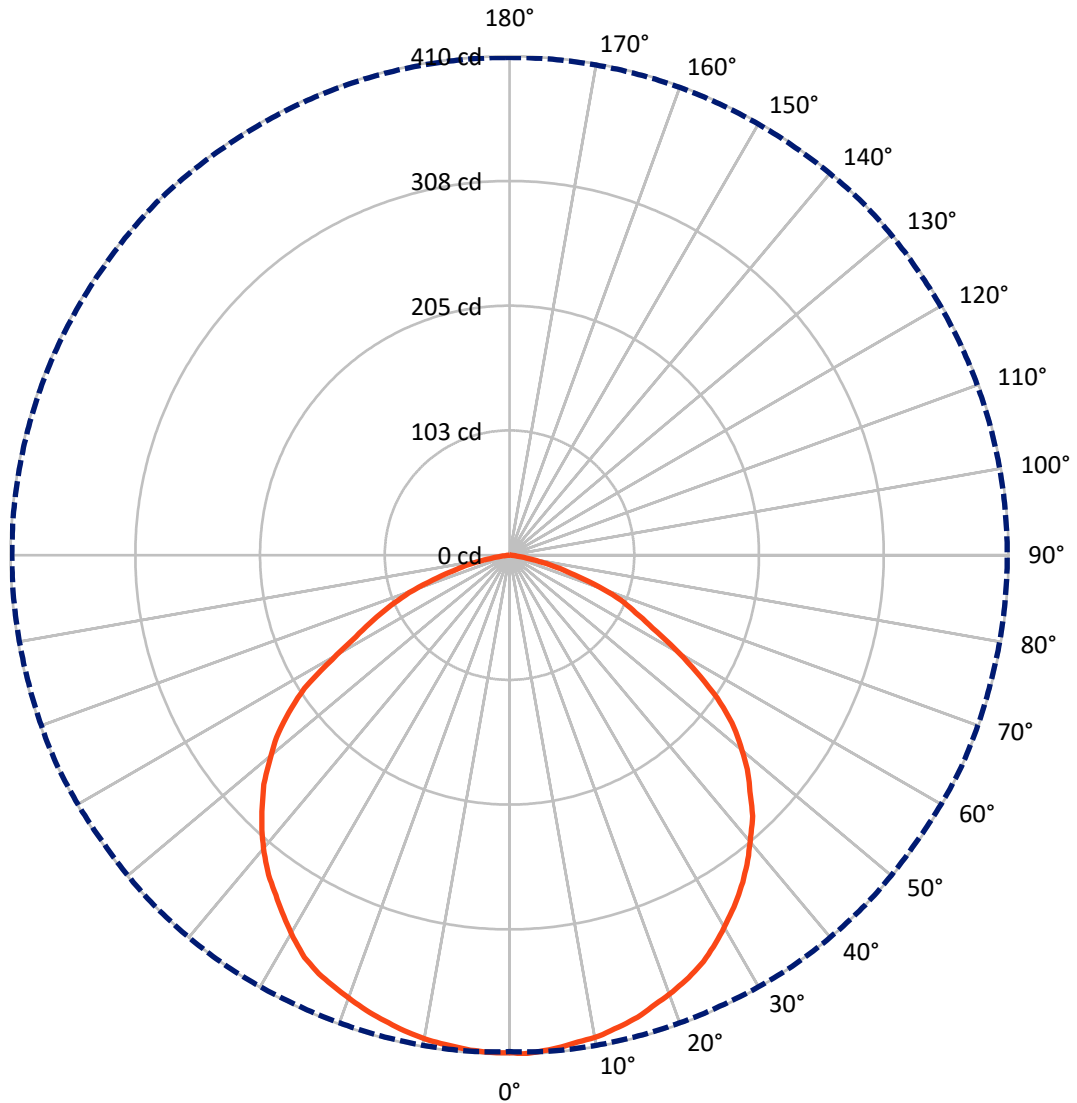
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P709437  
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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 1-Deg Vertical

REPORT NUMBER: P709437  
 CATALOG NUMBER: SLST105MB

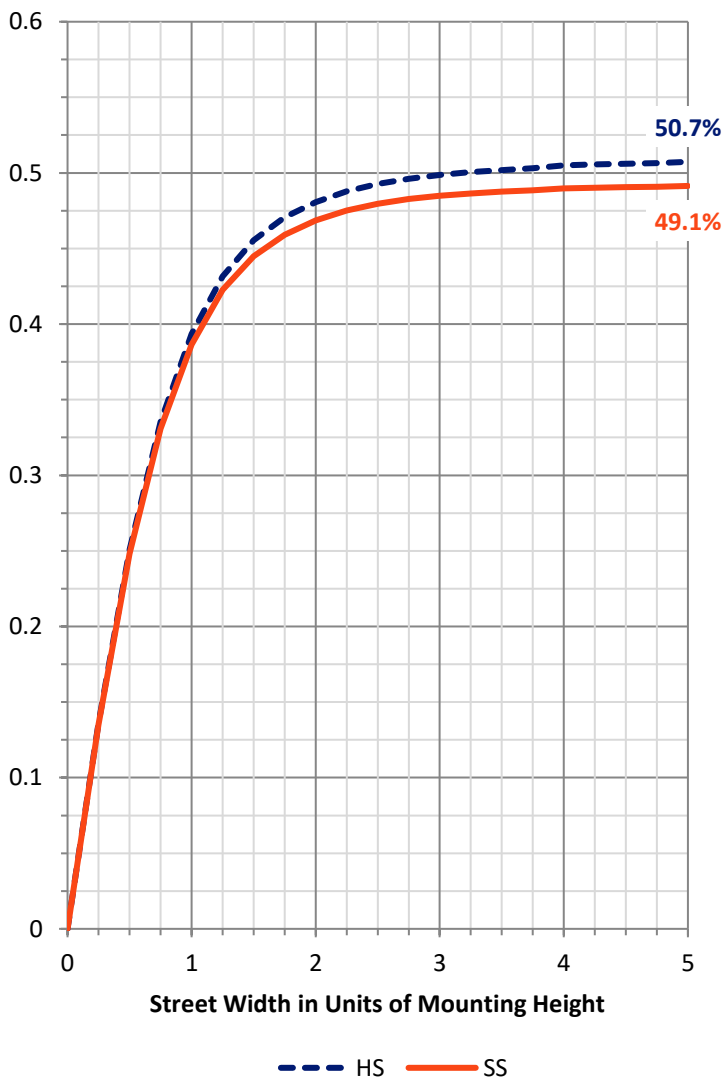
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	569.4	0.0	569.4
	% Fixture	50.9	0.0	50.9
<b>Street Side</b>	Lumens	548.5	0.0	548.5
	% Fixture	49.1	0.0	49.1
<b>Total</b>	Lumens	1117.9	0.0	1117.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.7	3.5
10°-20°	111.6	10.0
20°-30°	171.7	15.4
30°-40°	209.7	18.8
40°-50°	218.6	19.6
50°-60°	187.5	16.8
60°-70°	123.5	11.0
70°-80°	50.8	4.5
80°-90°	5.8	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1117.9	100.0
0°-180°	1117.9	100.0



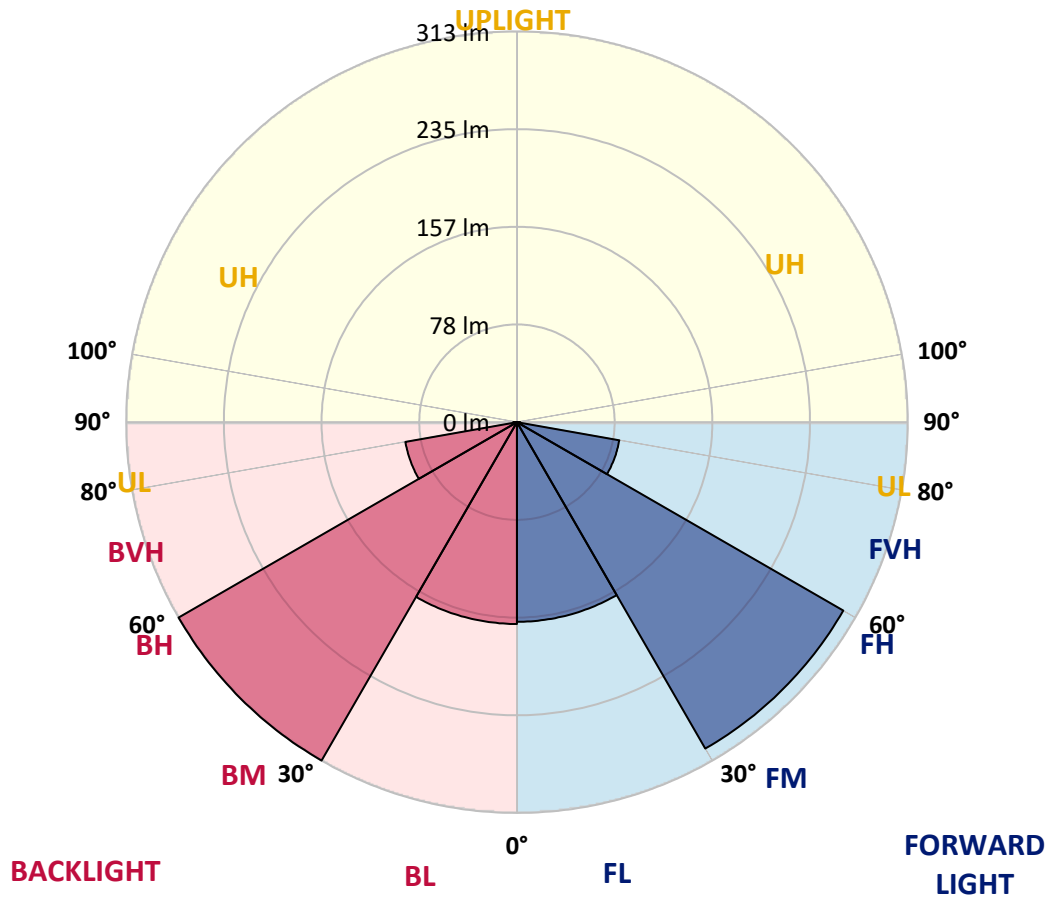
REPORT NUMBER: P709437  
 CATALOG NUMBER: SLST105MB

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	160.1	14.3			
FM (30°-60°)	302.3	27.0			
FH (60°-80°)	83.4	7.5			G0/660
FVH (80°-90°)	2.7	0.2			G0/10
BL (0°-30°)	161.9	14.5	B1/500		
BM (30°-60°)	313.5	28.0	B1/1000		
BH (60°-80°)	90.9	8.1	B0/110		G0/660
BVH (80°-90°)	3.1	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**

Type V Short





REPORT NUMBER: P709437  
 CATALOG NUMBER: SLST105MB

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	409	409	409	409	409	409	409	409	409	409	409
1°	408	409	409	409	410	410	409	410	409	409	409
2.5°	407	409	409	409	409	409	409	409	409	408	409
5°	405	406	406	406	407	407	407	407	407	407	407
7.5°	403	403	404	404	404	404	405	405	405	405	405
10°	400	401	401	401	402	402	402	402	402	403	402
12.5°	397	397	398	398	398	398	398	398	398	398	399
15°	392	393	393	393	394	394	394	394	395	394	395
17.5°	388	388	388	388	388	389	389	389	390	390	390
20°	383	383	383	383	383	383	383	384	384	385	385
22.5°	376	377	377	377	377	376	377	377	377	378	379
25°	369	369	369	369	370	369	370	370	370	371	371
27.5°	360	359	359	361	361	363	362	362	362	363	364
30°	350	350	350	351	351	353	354	354	354	354	355
32.5°	340	339	340	340	341	342	344	344	345	345	346
35°	329	329	329	329	330	332	333	335	334	335	335
37.5°	317	317	318	318	318	320	322	323	323	324	325
40°	305	304	305	305	305	307	308	310	310	311	312
42.5°	291	291	291	292	293	294	295	296	298	297	298
45°	276	276	277	277	277	280	280	281	282	284	283
47.5°	259	259	261	262	263	264	264	265	266	267	267
50°	237	237	239	245	246	247	248	248	248	249	250
52.5°	216	215	216	223	229	230	229	229	229	230	231
55°	192	191	194	198	207	210	210	209	210	210	211
57.5°	171	171	170	174	181	190	189	190	190	191	191
60°	150	151	151	153	156	164	169	168	170	170	172
62.5°	136	136	136	134	132	138	146	148	149	149	151
65°	118	119	119	118	114	113	124	127	129	130	130
67.5°	94	95	97	97	99	93	99	106	108	110	111
70°	72	72	74	74	78	77	77	86	89	90	90
72.5°	57	57	56	55	56	59	60	64	70	72	72
75°	37	38	39	39	40	41	44	46	51	52	53
77.5°	23	24	23	22	25	28	29	31	33	35	35
80°	12	13	13	13	14	15	17	18	20	22	21
82.5°	6	6	6	6	6	8	8	9	10	11	11
85°	2	2	2	3	3	3	3	4	4	4	4
87.5°	1	1	1	1	1	1	1	1	1	1	1
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P709437  
 CATALOG NUMBER: SLST105MB

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	409	409	409	409	409	409	409	409	409	409
1°	409	409	409	409	410	409	409	409	409	409
2.5°	409	409	409	409	410	409	409	409	409	410
5°	407	407	408	407	408	408	408	408	409	408
7.5°	405	405	406	406	406	406	406	406	407	407
10°	403	403	403	403	404	404	404	404	404	403
12.5°	399	400	400	400	401	401	401	401	401	400
15°	395	396	396	396	397	397	397	397	397	397
17.5°	390	391	391	392	392	393	393	393	393	393
20°	385	386	386	387	388	388	388	388	389	388
22.5°	379	380	380	380	382	383	384	385	385	385
25°	371	372	373	374	376	378	379	379	378	377
27.5°	364	364	365	367	370	371	370	369	368	368
30°	355	355	357	361	362	361	359	359	359	359
32.5°	346	347	349	352	351	350	350	350	349	350
35°	335	336	340	341	339	339	339	340	340	339
37.5°	324	326	330	328	328	329	329	329	329	329
40°	312	315	316	315	316	317	317	317	318	318
42.5°	299	303	302	302	303	304	305	305	305	305
45°	284	287	288	289	289	290	290	291	291	291
47.5°	269	270	272	273	274	276	276	276	276	276
50°	252	253	255	256	258	259	260	259	257	256
52.5°	232	234	237	240	241	243	241	238	234	234
55°	212	215	217	220	223	223	217	210	211	210
57.5°	191	194	197	201	203	201	187	187	185	186
60°	171	174	176	179	180	169	167	163	162	162
62.5°	150	153	155	157	152	143	144	143	144	146
65°	130	132	135	134	124	124	128	129	130	130
67.5°	111	112	113	110	101	106	108	109	106	106
70°	91	93	92	85	83	88	86	84	83	83
72.5°	73	75	70	64	67	66	64	66	68	67
75°	54	55	50	48	48	48	50	53	54	54
77.5°	36	37	33	33	34	35	33	31	29	30
80°	23	22	20	21	20	18	17	17	17	18
82.5°	12	10	11	11	10	9	7	7	5	5
85°	4	5	5	4	4	3	2	1	0	0
87.5°	1	2	2	2	1	1	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)