

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: P709438

Luminaire Tested: SLST155MB

Issue Date: 9/19/2023

Test Information

Test Method: LM-79-2019
Report Number: P709438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2305-015-2)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SLST155MB
Description: SLST SOLAR AREA FLOODLIGHT
Light Source: 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1546.6 lumens
Efficiency: N/A
Efficacy: 138.1 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

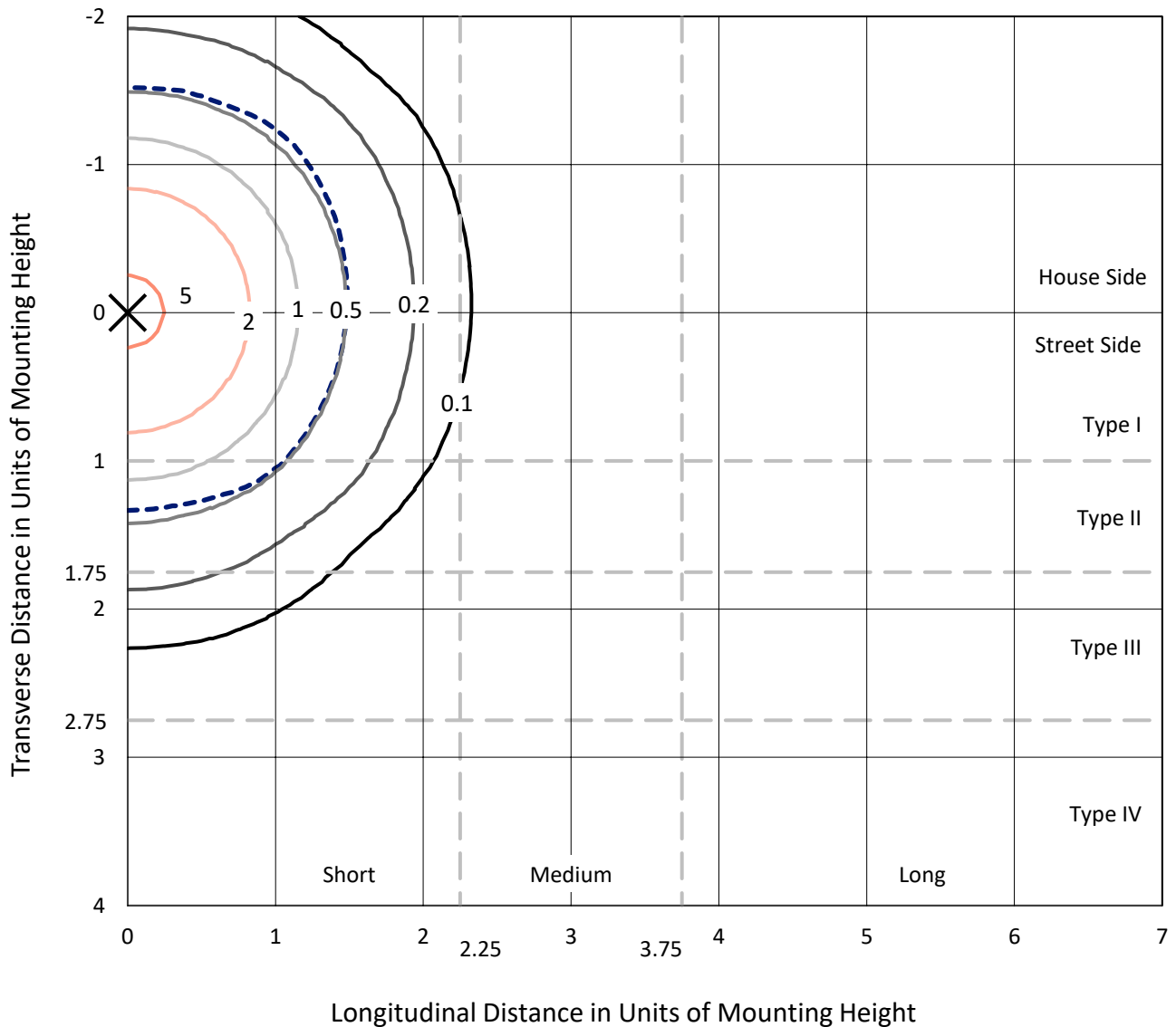
Input Watts (W): 11.2
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P709438
 CATALOG NUMBER: SLST155MB

Iso-Footcandle Lines of Horizontal Illumination

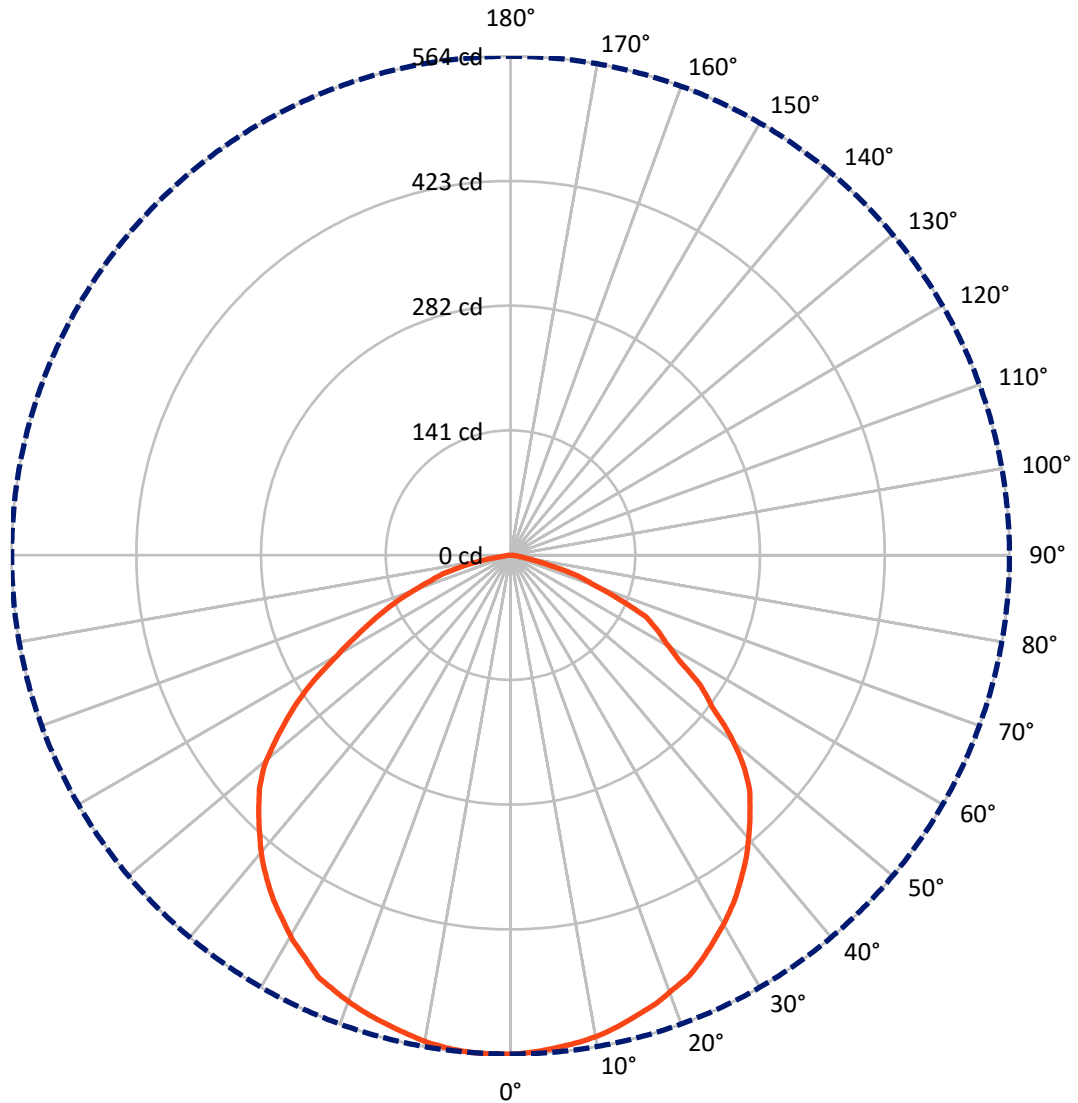
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

REPORT NUMBER: P709438
CATALOG NUMBER: SLST155MB

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P709438
 CATALOG NUMBER: SLST155MB

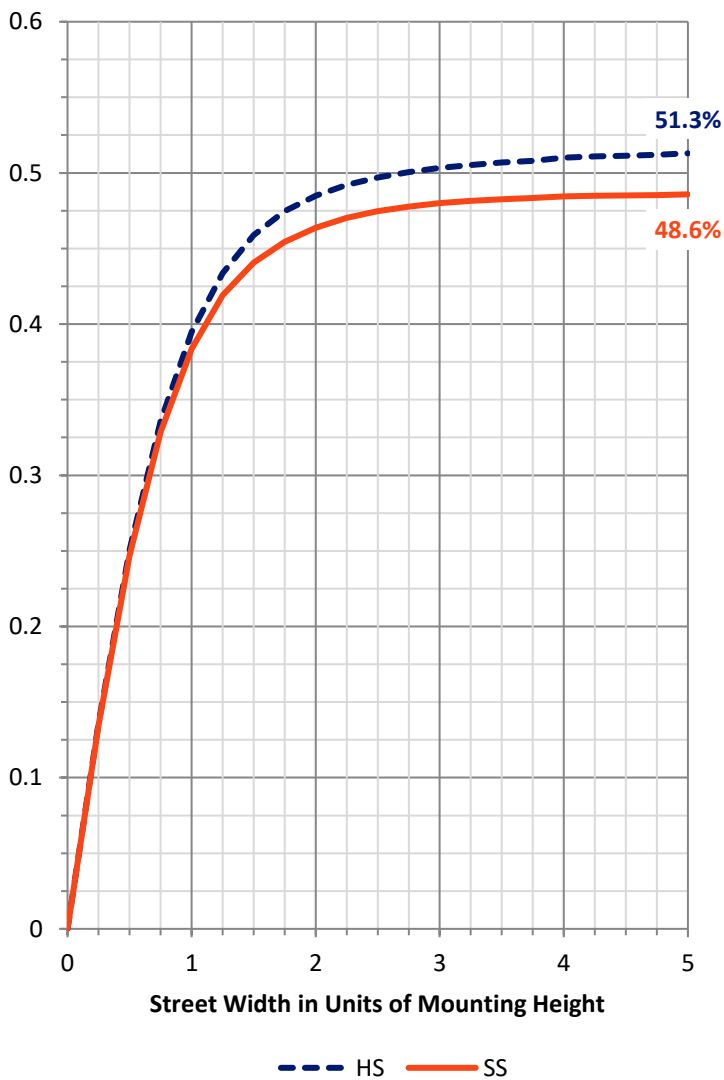
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	796.5	0.0	796.5
	% Fixture	51.5	0.0	51.5
Street Side	Lumens	750.1	0.0	750.1
	% Fixture	48.5	0.0	48.5
Total	Lumens	1546.6	0.0	1546.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	3.5
10°-20°	153.8	9.9
20°-30°	236.6	15.3
30°-40°	289.1	18.7
40°-50°	301.9	19.5
50°-60°	260.6	16.8
60°-70°	172.0	11.1
70°-80°	71.3	4.6
80°-90°	8.0	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°	1546.6	100.0
0°-180°	1546.6	100.0



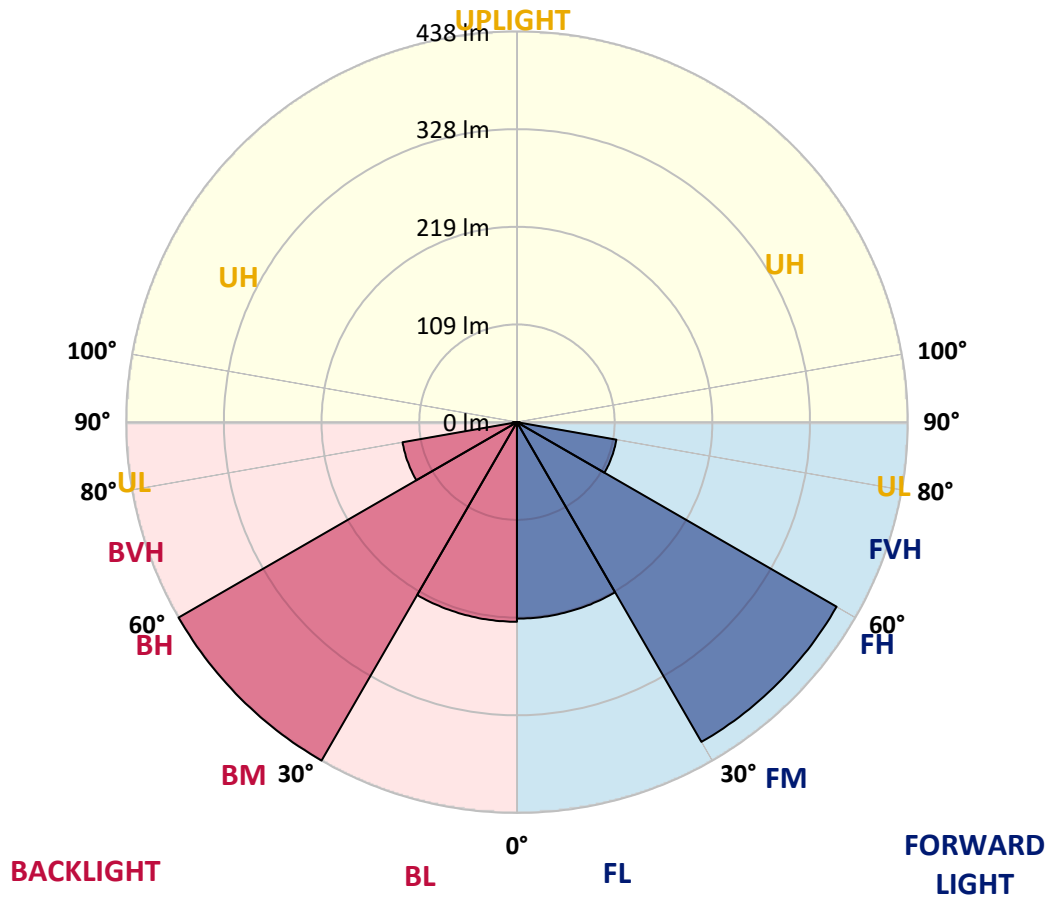
REPORT NUMBER: P709438
 CATALOG NUMBER: SLST155MB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	220.1	14.2			
FM (30°-60°)	413.6	26.7			
FH (60°-80°)	113.2	7.3			G0/660
FVH (80°-90°)	3.2	0.2			G0/10
BL (0°-30°)	223.6	14.5	B1/500		
BM (30°-60°)	437.9	28.3	B1/1000		
BH (60°-80°)	130.2	8.4	B1/500		G0/660
BVH (80°-90°)	4.8	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: P709438
 CATALOG NUMBER: SLST155MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	564	564	564	564	564	564	564	564	564	564	564
2.5°	562	562	562	562	562	563	563	563	563	563	563
5°	559	559	559	559	560	560	560	560	561	561	561
7.5°	556	555	555	556	556	556	557	557	558	557	559
10°	552	552	551	552	552	553	553	553	554	554	555
12.5°	546	546	546	547	546	547	547	548	549	549	550
15°	539	539	539	540	540	541	542	542	543	544	545
17.5°	533	532	533	533	533	534	535	535	537	537	539
20°	524	525	525	526	526	527	527	528	529	530	531
22.5°	517	518	517	517	517	517	518	518	519	521	522
25°	505	504	506	509	509	508	509	509	510	512	513
27.5°	492	492	492	493	498	499	498	498	499	501	502
30°	479	478	478	480	482	485	487	485	487	489	489
32.5°	465	464	464	466	467	468	475	473	473	475	476
35°	449	449	450	451	451	454	457	461	460	461	463
37.5°	433	433	433	434	435	437	440	445	444	445	447
40°	415	415	415	417	418	420	422	425	428	429	430
42.5°	397	396	398	399	400	401	403	406	411	410	412
45°	379	378	377	379	379	382	384	385	389	390	391
47.5°	354	355	356	358	358	360	361	363	366	368	369
50°	323	323	329	336	337	338	338	340	342	344	346
52.5°	286	287	292	305	313	313	314	314	316	319	320
55°	261	260	258	266	283	288	287	288	290	291	294
57.5°	225	226	231	231	244	260	260	259	261	263	265
60°	202	201	200	205	206	224	232	231	232	234	239
62.5°	186	187	183	181	175	183	202	201	203	206	209
65°	168	168	166	161	154	151	168	174	177	178	180
67.5°	132	132	137	139	136	124	132	146	148	151	153
70°	98	100	100	104	111	106	102	117	121	123	124
72.5°	78	78	77	75	79	82	79	86	96	98	99
75°	45	45	46	53	56	56	59	60	70	73	74
77.5°	26	26	26	27	31	38	39	39	44	48	47
80°	12	12	13	15	16	17	22	23	26	30	29
82.5°	6	6	6	6	7	8	9	11	12	14	15
85°	3	3	3	3	3	4	4	4	5	5	5
87.5°	1	1	1	1	1	1	2	2	2	2	1
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P709438
 CATALOG NUMBER: SLST155MB

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	564	564	564	564	564	564	564	564	564	564
2.5°	563	563	564	564	564	564	564	564	564	564
5°	561	562	562	563	563	563	563	563	563	564
7.5°	558	559	559	560	560	561	561	561	561	562
10°	555	555	556	557	557	558	558	558	558	559
12.5°	549	551	551	552	553	553	553	554	553	554
15°	544	546	546	547	548	548	549	549	549	549
17.5°	537	539	540	542	542	543	544	544	544	544
20°	531	532	533	534	536	537	538	538	537	538
22.5°	521	524	525	527	528	529	529	530	531	531
25°	513	514	516	517	519	520	522	523	524	524
27.5°	502	504	506	508	510	512	513	511	511	511
30°	491	492	494	497	500	500	499	499	499	500
32.5°	476	479	482	485	486	486	486	485	486	486
35°	463	465	468	472	471	471	472	472	473	473
37.5°	447	450	455	454	456	456	457	458	458	458
40°	432	434	438	438	439	441	442	441	443	442
42.5°	413	417	418	420	422	423	424	425	425	424
45°	393	398	398	401	404	405	406	406	407	406
47.5°	370	375	377	380	383	385	386	387	386	388
50°	347	351	355	358	362	364	365	365	365	366
52.5°	321	325	330	333	338	340	341	340	336	335
55°	294	298	305	309	314	315	313	304	304	304
57.5°	268	271	277	282	287	287	276	278	272	271
60°	239	243	249	253	258	250	243	235	231	232
62.5°	209	215	219	224	223	209	208	202	200	200
65°	182	186	189	193	184	178	177	175	174	173
67.5°	154	158	162	162	147	150	150	149	147	148
70°	127	132	133	126	118	122	123	123	122	121
72.5°	102	105	104	94	95	95	95	97	98	97
75°	76	79	74	70	71	70	72	76	78	79
77.5°	50	53	49	50	49	52	54	54	53	54
80°	32	32	31	31	34	31	29	29	30	30
82.5°	15	15	17	16	16	16	12	11	10	10
85°	6	7	7	7	5	4	3	2	1	0
87.5°	2	2	2	2	1	1	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)