

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: P709439

Luminaire Tested: SLST305MB

Issue Date: 9/19/2023

Test Information

Test Method: LM-79-2019
Report Number: P709439
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2305-015-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: SLST305MB
Description: SLST SOLAR AREA FLOODLIGHT
Light Source: 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2953 lumens
Efficiency: N/A
Efficacy: 155.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1.42' x H: 0.09')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

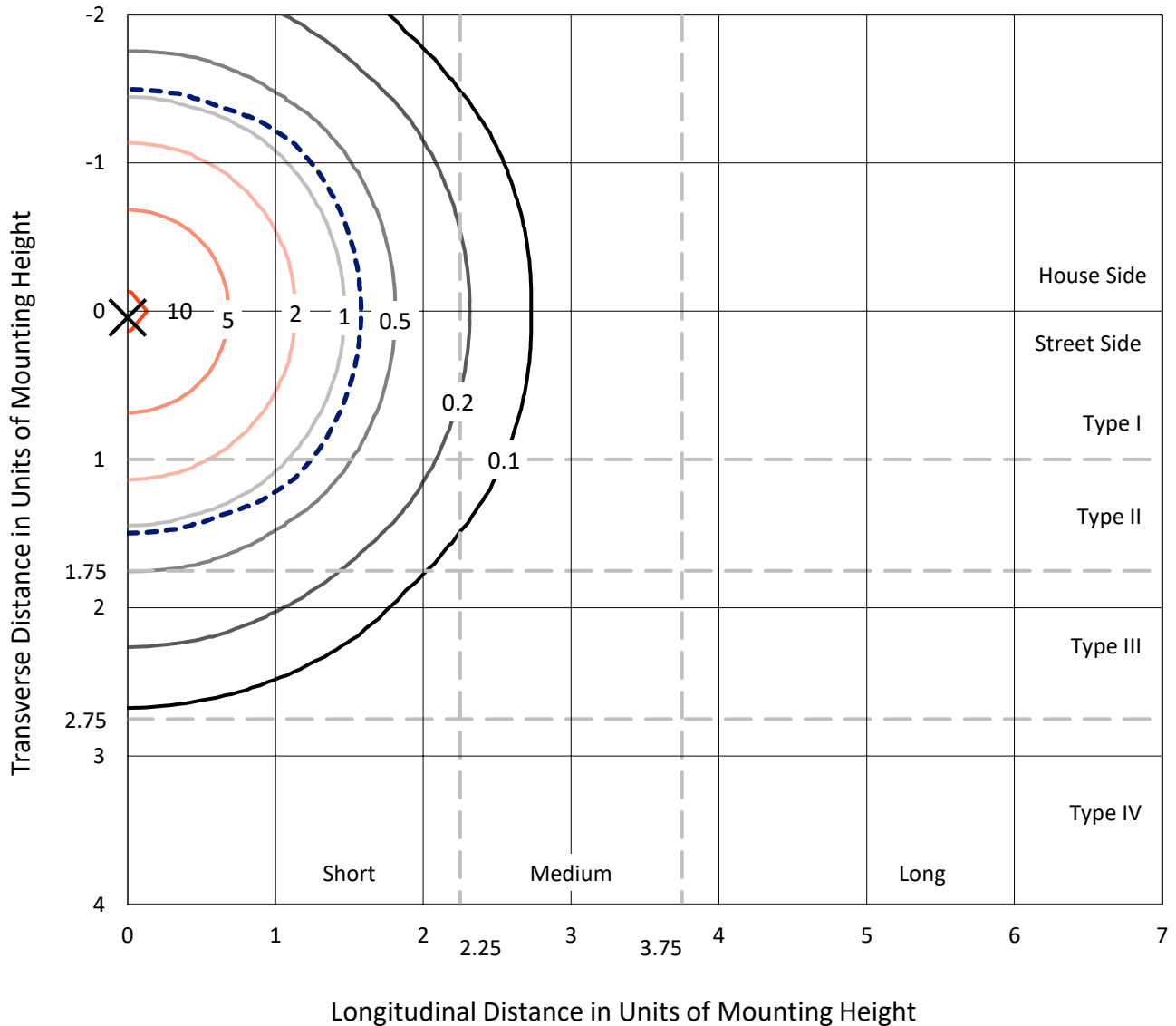
Input Watts (W): 19
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

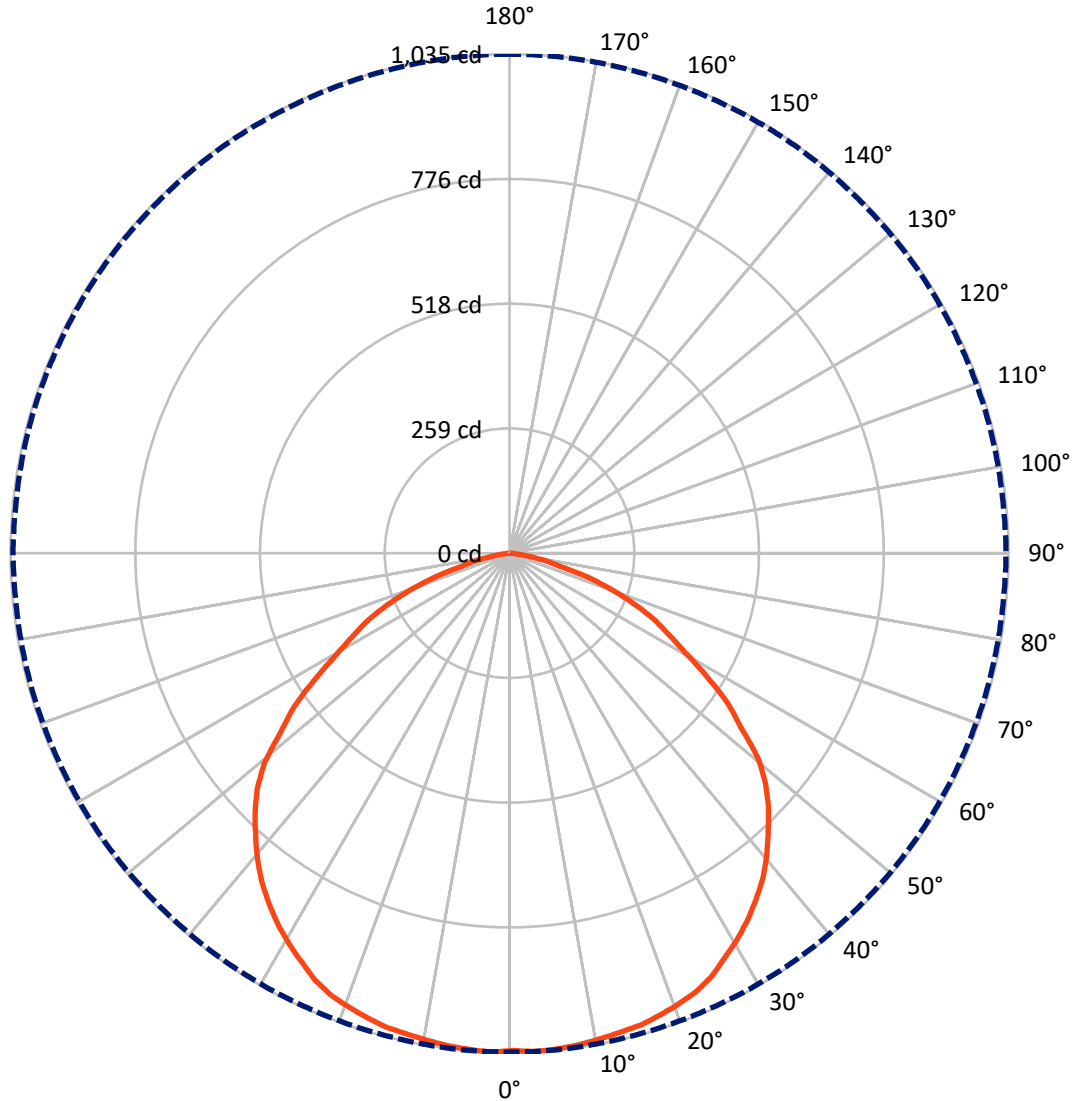
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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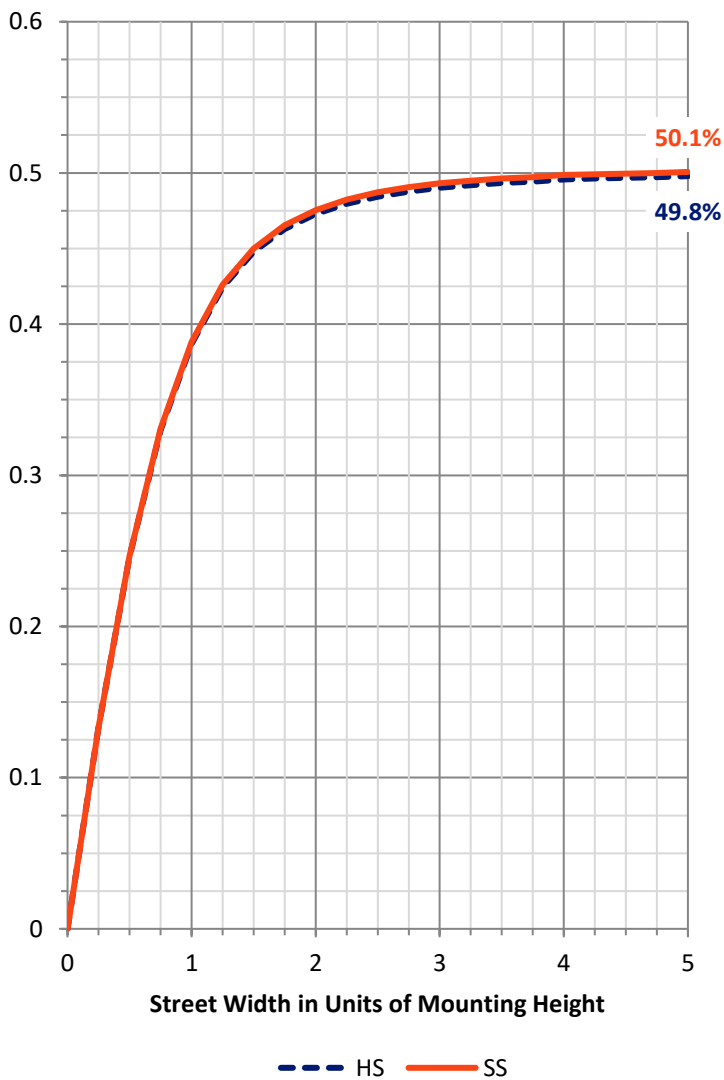
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1476.5	0.0	1476.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1476.5	0.0	1476.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2953.0	0.0	2953.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.1	3.3
10°-20°	286.0	9.7
20°-30°	445.9	15.1
30°-40°	551.4	18.7
40°-50°	578.9	19.6
50°-60°	504.3	17.1
60°-70°	335.5	11.4
70°-80°	137.6	4.7
80°-90°	15.3	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°	2953.0	100.0
0°-180°	2953.0	100.0

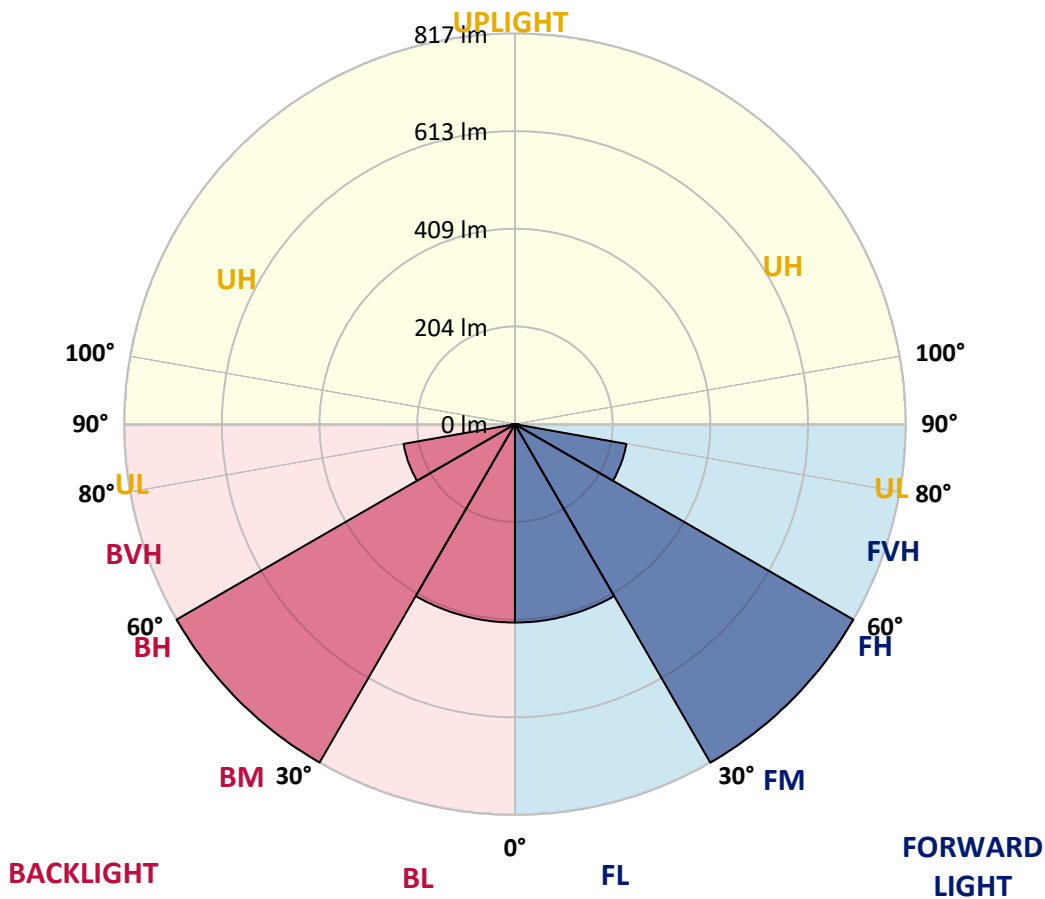


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	415.0	14.1			
FM (30°-60°)	817.3	27.7			
FH (60°-80°)	236.6	8.0			G0/660
FVH (80°-90°)	7.7	0.3			G0/10
BL (0°-30°)	415.0	14.1	B1/500		
BM (30°-60°)	817.3	27.7	B1/1000		
BH (60°-80°)	236.6	8.0	B1/500		G0/660
BVH (80°-90°)	7.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1032	1032	1032	1032	1032	1032	1032	1032	1032	1032	1032
2.5°	1035	1035	1033	1032	1032	1031	1031	1030	1030	1029	1030
3°	1035	1035	1034	1033	1032	1032	1031	1031	1030	1030	1030
5°	1033	1032	1032	1031	1030	1030	1029	1029	1027	1028	1028
7.5°	1030	1029	1029	1028	1027	1027	1026	1026	1025	1025	1025
10°	1025	1025	1024	1023	1022	1021	1021	1021	1020	1021	1020
12.5°	1020	1019	1019	1017	1016	1015	1015	1015	1014	1014	1014
15°	1016	1016	1015	1014	1013	1012	1011	1010	1010	1010	1011
17.5°	1008	1008	1007	1005	1004	1003	1002	1002	1001	1002	1001
20°	999	998	998	997	995	995	994	993	992	993	992
22.5°	989	988	987	985	982	981	979	979	977	978	979
25°	973	973	973	972	967	964	962	961	960	960	960
27.5°	951	951	952	953	957	952	948	947	945	945	945
30°	930	932	931	932	933	939	933	929	928	926	927
32.5°	907	906	906	906	907	909	913	907	905	902	904
35°	881	880	881	879	880	882	884	884	879	878	880
37.5°	854	854	855	854	853	853	855	861	854	852	854
40°	822	822	822	823	822	822	823	826	824	822	822
42.5°	787	787	788	788	788	787	789	789	792	787	788
45°	753	753	752	751	750	751	751	752	755	751	753
47.5°	715	712	714	713	712	711	711	712	712	711	712
50°	668	666	668	670	670	669	668	670	669	668	670
52.5°	601	602	609	622	625	623	624	624	623	624	622
55°	549	549	543	557	575	577	576	577	574	572	572
57.5°	482	484	494	490	514	526	525	522	520	519	521
60°	418	420	427	437	443	468	469	468	469	464	463
62.5°	369	368	372	377	379	400	414	412	413	408	410
65°	327	328	325	322	323	334	354	355	356	355	355
67.5°	276	274	278	275	274	269	289	299	301	300	299
70°	221	220	220	223	226	217	226	243	247	245	242
72.5°	169	171	173	172	173	174	168	185	190	191	189
75°	106	108	110	116	126	127	124	131	140	141	137
77.5°	75	76	72	69	74	82	89	86	95	98	95
80°	41	42	43	45	45	45	49	52	54	58	55
82.5°	17	16	18	20	20	24	23	26	26	27	26
85°	5	6	6	6	7	8	9	10	10	10	10
87.5°	1	1	1	2	2	3	3	3	3	3	2
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)