

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: P709440

Luminaire Tested: SLST455MB

Issue Date: 9/19/2023

Test Information

Test Method: LM-79-2019
Report Number: P709440
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: SLST455MB
Description: SLST SOLAR AREA FLOODLIGHT
Light Source: 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4293.4 lumens
Efficiency: N/A
Efficacy: 126.3 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: B2 - U0 - G1

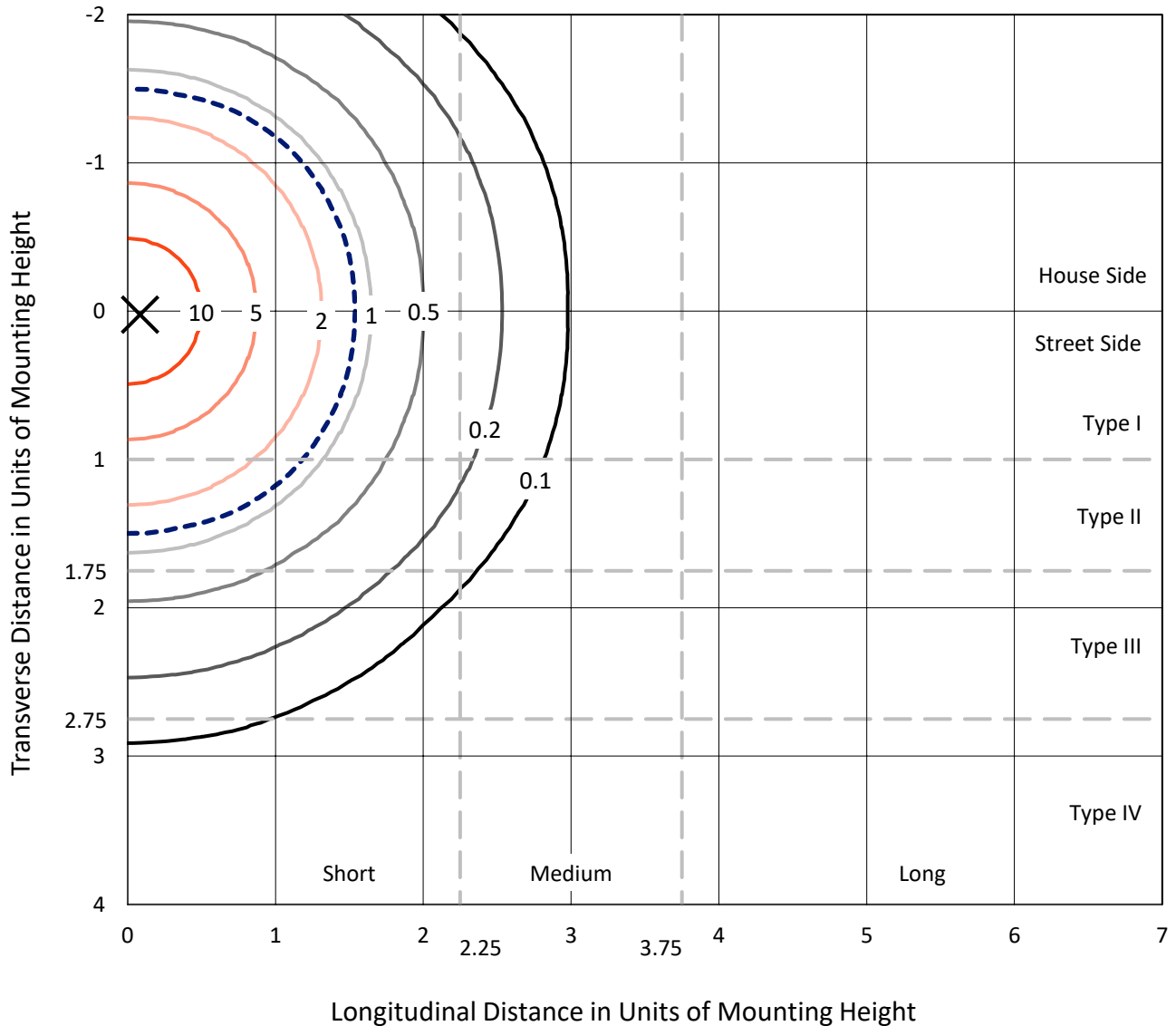
Input Watts (W): 34
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

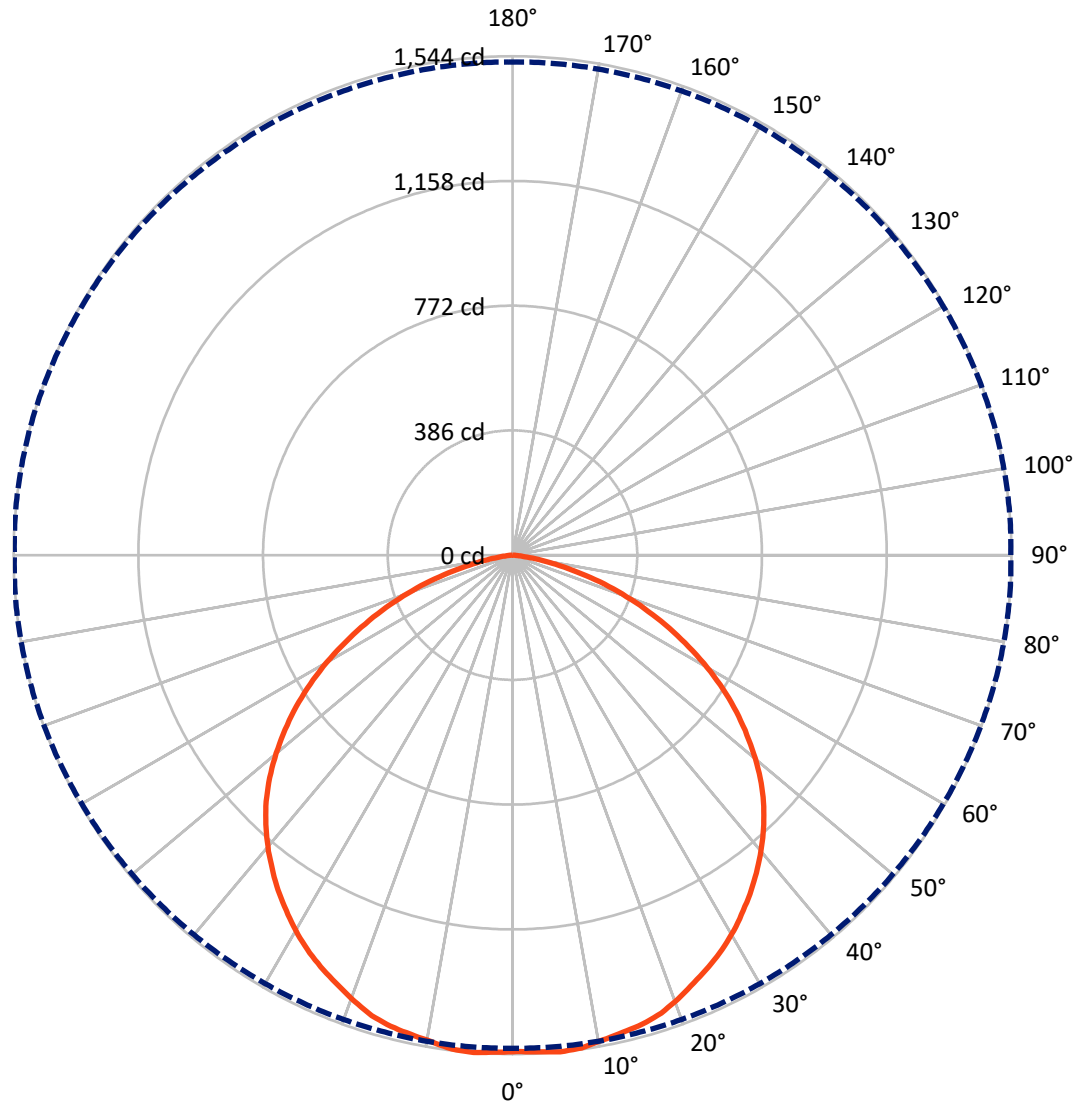
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 5-Deg Vertical

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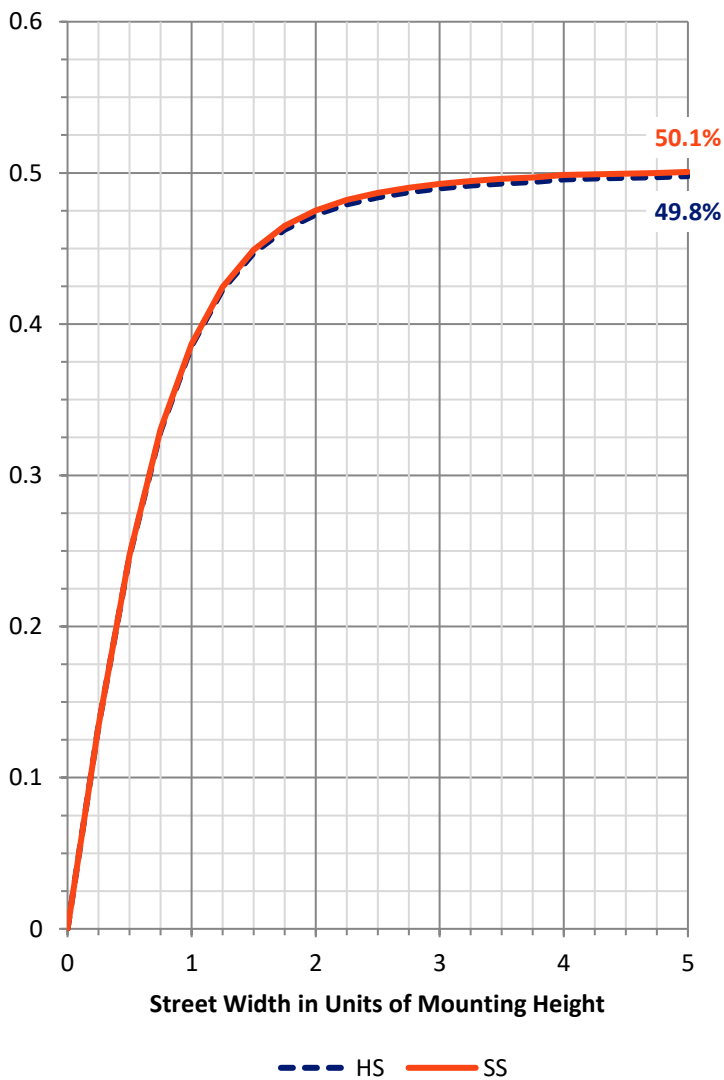
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2146.7	0.0	2146.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2146.7	0.0	2146.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	4293.4	0.0	4293.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.0	3.4
10°-20°	422.7	9.8
20°-30°	648.1	15.1
30°-40°	791.9	18.4
40°-50°	830.9	19.4
50°-60°	735.1	17.1
60°-70°	491.9	11.5
70°-80°	203.7	4.7
80°-90°	23.2	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°	4293.4	100.0
0°-180°	4293.4	100.0



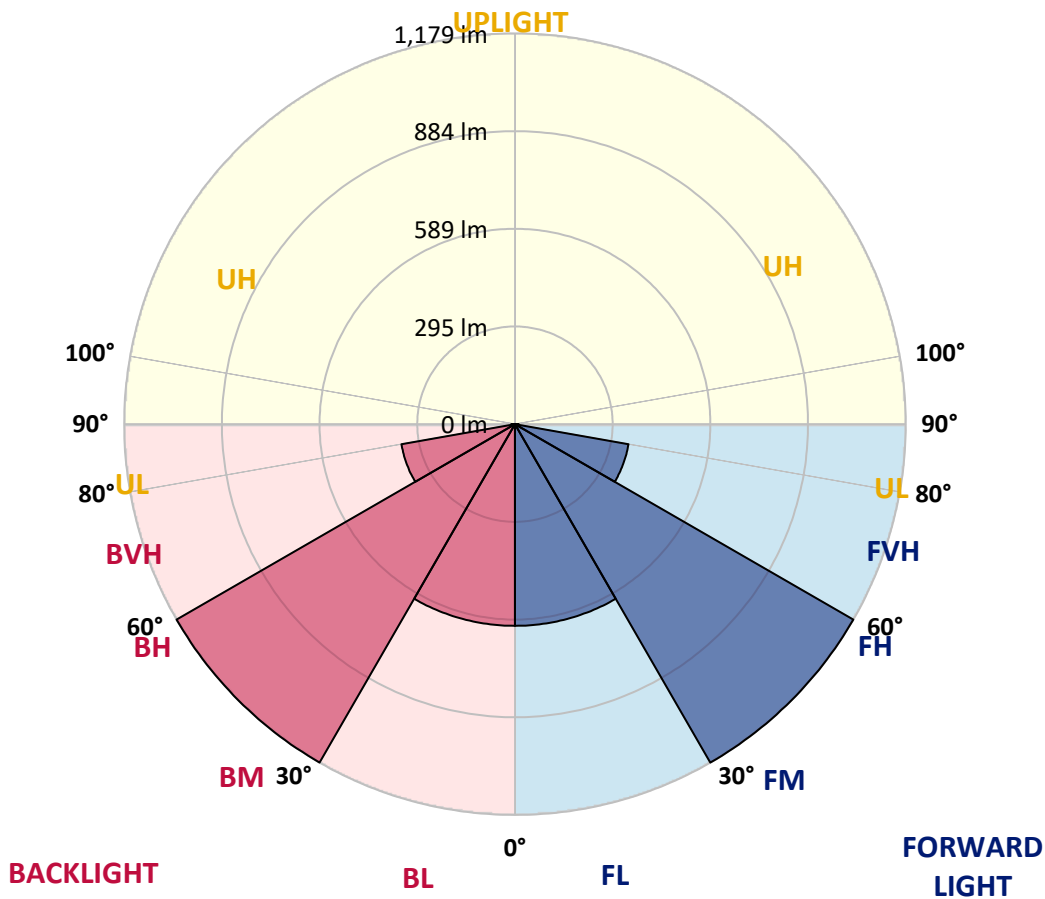
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	608.4	14.2			
FM (30°-60°)	1178.9	27.5			
FH (60°-80°)	347.8	8.1			G0/660
FVH (80°-90°)	11.6	0.3			G1/100
BL (0°-30°)	608.4	14.2	B2/1000		
BM (30°-60°)	1178.9	27.5	B2/2500		
BH (60°-80°)	347.8	8.1	B1/500		G0/660
BVH (80°-90°)	11.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1536	1536	1536	1536	1536	1536	1536	1536	1536	1536	1536
2.5°	1526	1527	1527	1529	1531	1532	1535	1538	1539	1539	1537
5°	1526	1527	1528	1530	1532	1535	1538	1541	1544	1544	1542
7.5°	1521	1522	1523	1525	1528	1530	1535	1538	1540	1541	1539
10°	1510	1512	1512	1514	1516	1518	1522	1524	1526	1527	1525
12.5°	1499	1501	1501	1503	1505	1507	1511	1513	1516	1516	1514
15°	1490	1490	1491	1493	1495	1497	1501	1503	1506	1507	1505
17.5°	1473	1474	1474	1477	1479	1480	1484	1486	1490	1490	1489
20°	1450	1450	1451	1454	1456	1458	1460	1462	1465	1465	1464
22.5°	1424	1424	1424	1427	1429	1431	1433	1435	1437	1437	1436
25°	1401	1400	1400	1401	1403	1405	1408	1408	1411	1410	1408
27.5°	1369	1369	1373	1378	1377	1377	1380	1380	1382	1381	1381
30°	1330	1331	1334	1338	1344	1346	1347	1347	1349	1346	1348
32.5°	1293	1293	1295	1298	1301	1311	1311	1309	1311	1309	1309
35°	1255	1254	1257	1259	1260	1266	1276	1272	1273	1269	1272
37.5°	1213	1215	1216	1219	1220	1224	1231	1233	1231	1229	1231
40°	1168	1170	1172	1175	1176	1179	1183	1190	1187	1184	1186
42.5°	1123	1121	1124	1127	1128	1131	1135	1138	1140	1135	1136
45°	1068	1069	1071	1075	1075	1079	1081	1083	1089	1081	1083
47.5°	1015	1016	1018	1019	1020	1024	1026	1026	1032	1025	1027
50°	952	956	960	960	961	964	965	965	968	965	966
52.5°	890	887	892	900	896	899	900	902	901	899	899
55°	805	805	815	828	829	830	833	832	832	828	828
57.5°	735	738	729	745	754	760	759	758	758	754	755
60°	637	632	653	650	670	684	683	680	680	675	676
62.5°	537	538	550	569	571	600	602	598	599	592	593
65°	462	460	467	475	479	507	519	517	519	512	513
67.5°	391	389	393	394	398	410	433	439	439	433	433
70°	316	317	321	319	324	321	343	357	360	358	355
72.5°	256	254	255	251	250	248	256	277	283	279	274
75°	178	174	180	186	188	183	181	195	205	203	198
77.5°	103	100	104	110	122	130	123	127	136	139	134
80°	67	64	66	64	62	70	78	75	80	83	80
82.5°	28	27	28	30	33	35	35	41	38	41	40
85°	9	9	10	10	11	13	15	15	15	15	15
87.5°	2	2	2	2	3	3	4	4	4	3	3
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)