

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: HALO

Report Number: P579367

Luminaire Tested: **SMD6S129SWHE-EM - 3000K**

Issue Date: 11/18/2021

Test Information

Test Method: LM-79-08
Report Number: P579367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2113136A001)
Test Lab:
Issue Date: 11/18/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: SMD6S129SWHE-EM - 3000K
Description: SMD SELECTABLE CCT 3000K
Light Source: SELECTABLE CCT LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

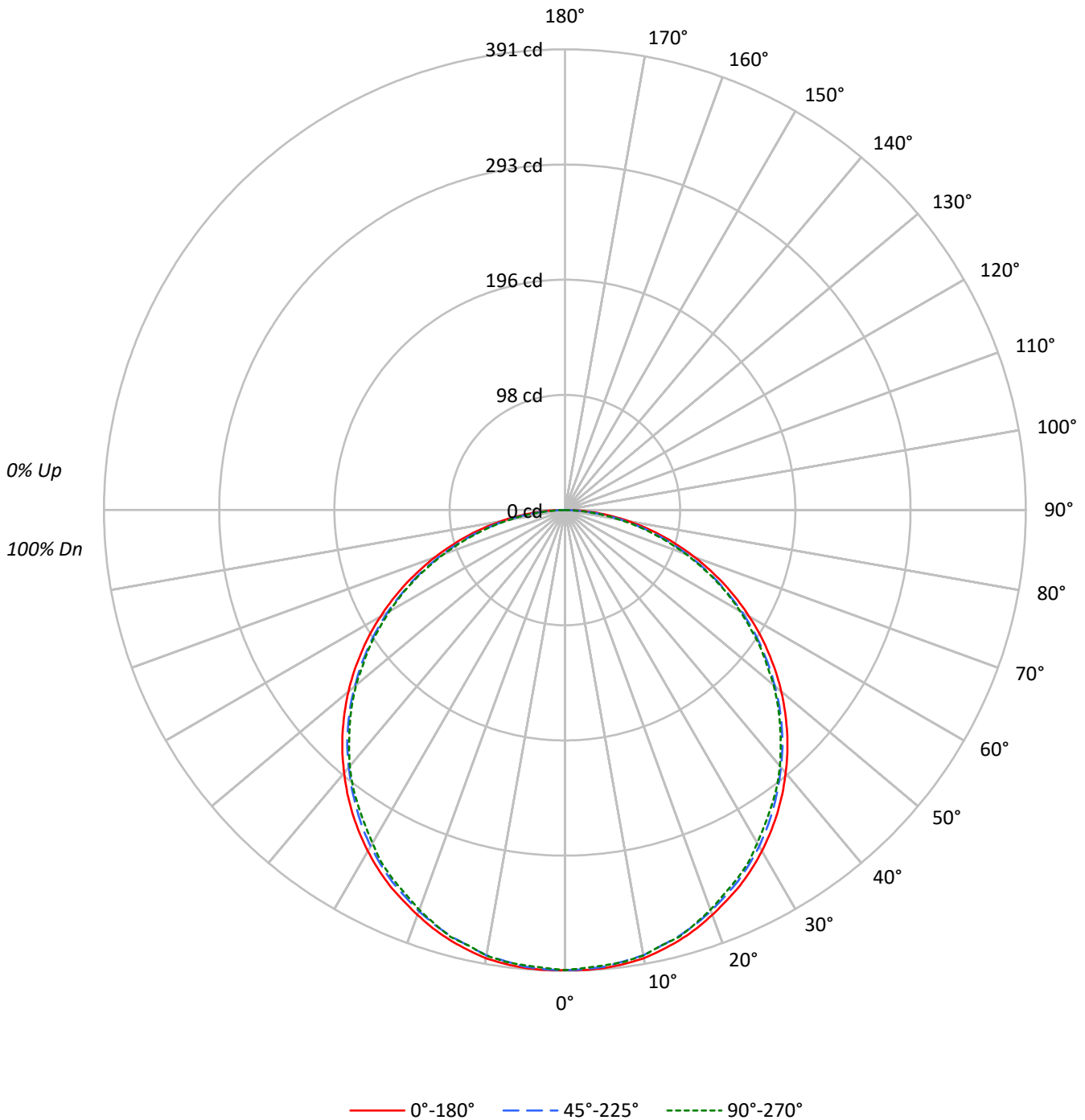
Lumens per Lamp: N/A
Luminaire Lumens: 1133.8 lumens
Efficiency: N/A
Efficacy: 62.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.37
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 18.3
Input Voltage (V): NR
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: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16809	16809	16809
5°	16856	16808	16761
10°	16880	16771	16780
15°	16836	16684	16715
20°	16751	16596	16536
25°	16703	16513	16414
30°	16620	16387	16222
35°	16515	16210	16078
40°	16378	16030	15957
45°	16239	15844	15722
50°	16056	15580	15486
55°	15824	15298	15186
60°	15543	14966	14794
65°	15221	14507	14375
70°	14817	13986	13722
75°	14356	13292	12959
80°	13835	12397	11926
85°	13585	11115	10226



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.0	3.3
10°-20°	105.8	9.3
20°-30°	160.3	14.1
30°-40°	193.4	17.1
40°-50°	201.3	17.8
50°-60°	183.0	16.1
60°-70°	141.8	12.5
70°-80°	85.4	7.5
80°-90°	25.9	2.3
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°-30°	303.0	26.7
0°-40°	496.4	43.8
0°-60°	880.7	77.7
0°-90°	1133.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1133.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	390	390	390	390	390	
5°	390	390	389	389	388	37
15°	378	376	374	374	375	107
25°	352	349	348	346	346	162
35°	314	311	308	306	306	197
45°	267	264	260	258	258	206
55°	211	208	204	201	202	189
65°	149	146	142	140	141	148
75°	86	83	80	78	78	91
85°	28	25	22	20	21	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	390.4	390.4	390.4	390.4	390.4
2.5°	390.7	390.4	390.1	390.6	388.9
5°	390.0	390.1	388.9	388.8	387.8
7.5°	388.5	388.0	386.1	386.3	386.6
10°	386.1	384.9	383.6	382.6	383.8
12.5°	382.2	380.8	378.6	378.4	378.4
15°	377.7	376.0	374.3	373.7	375.0
17.5°	372.2	369.7	368.7	368.6	368.1
20°	365.6	363.9	362.2	361.4	360.9
22.5°	358.6	356.9	354.8	354.4	352.8
25°	351.6	349.4	347.6	346.0	345.5
27.5°	343.3	340.6	338.8	337.2	337.1
30°	334.3	331.5	329.6	327.7	326.3
32.5°	324.5	322.1	319.4	317.5	316.0
35°	314.2	311.4	308.4	306.5	305.9
37.5°	303.1	299.6	297.1	295.1	295.5
40°	291.4	288.0	285.2	283.3	283.9
42.5°	279.3	276.0	273.3	271.2	270.9
45°	266.7	263.5	260.2	258.1	258.2
47.5°	253.3	249.8	246.8	244.7	245.2
50°	239.7	236.5	232.6	230.4	231.2
52.5°	225.6	221.8	218.4	216.3	216.0
55°	210.8	207.7	203.8	201.4	202.3
57.5°	196.2	192.6	189.0	186.2	186.6
60°	180.5	176.9	173.8	171.0	171.8
62.5°	165.0	161.6	158.0	155.6	156.5
65°	149.4	146.2	142.4	139.9	141.1
67.5°	133.3	130.3	126.8	124.3	124.8
70°	117.7	114.3	111.1	108.6	109.0
72.5°	101.7	98.8	95.4	93.1	93.8
75°	86.3	83.1	79.9	77.9	77.9
77.5°	70.9	68.3	64.7	62.5	62.7
80°	55.8	53.0	50.0	47.8	48.1
82.5°	41.2	39.0	36.1	33.9	34.0
85°	27.5	24.9	22.5	20.3	20.7
87.5°	14.1	12.1	9.6	7.8	8.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)