

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: P579364

Luminaire Tested: **SMD6S129SWH-EM - 4000K**

Issue Date: 11/18/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P579364  
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: SMD6S129SWH-EM - 4000K  
Description: SMD SELECTABLE CCT 4000K  
Light Source: SELECTABLE CCT LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

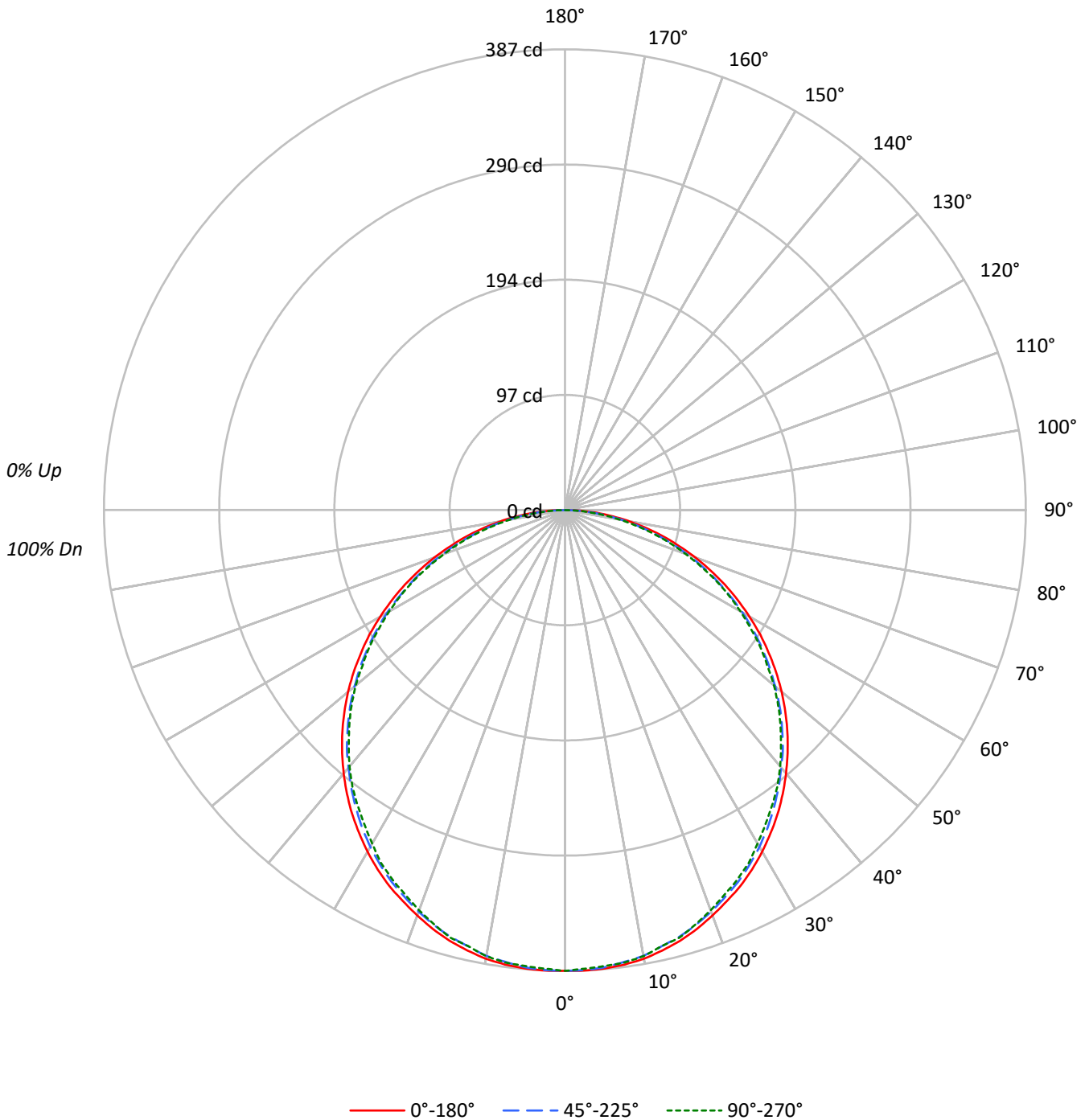
Lumens per Lamp: N/A  
Luminaire Lumens: 1123.8 lumens  
Efficiency: N/A  
Efficacy: 61.1 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.37  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 18.4  
Input Voltage (V): NR  
Input Current (Ain): 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°	16663	16663	16663
5°	16705	16661	16614
10°	16732	16627	16635
15°	16689	16537	16573
20°	16605	16449	16389
25°	16561	16366	16271
30°	16476	16242	16083
35°	16373	16068	15937
40°	16238	15889	15816
45°	16093	15704	15588
50°	15915	15440	15352
55°	15681	15163	15051
60°	15405	14837	14665
65°	15088	14375	14243
70°	14691	13860	13596
75°	14240	13175	12843
80°	13712	12298	11827
85°	13486	11016	10127



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.7	3.3
10°-20°	104.9	9.3
20°-30°	158.9	14.1
30°-40°	191.7	17.1
40°-50°	199.5	17.8
50°-60°	181.4	16.1
60°-70°	140.6	12.5
70°-80°	84.7	7.5
80°-90°	25.6	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°	300.4	26.7
0°-40°	492.1	43.8
0°-60°	872.9	77.7
0°-90°	1123.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1123.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	387	387	387	387	387	
5°	386	387	386	385	384	37
15°	374	373	371	370	372	106
25°	349	346	344	343	342	161
35°	312	309	306	304	303	195
45°	264	261	258	256	256	204
55°	209	206	202	200	200	187
65°	148	145	141	139	140	146
75°	86	82	79	77	77	90
85°	27	25	22	20	20	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	387.0	387.0	387.0	387.0	387.0
2.5°	387.2	387.0	386.7	387.1	385.5
5°	386.5	386.7	385.5	385.4	384.4
7.5°	385.0	384.6	382.7	382.9	383.3
10°	382.7	381.5	380.3	379.2	380.5
12.5°	378.8	377.4	375.3	375.1	375.1
15°	374.4	372.7	371.0	370.5	371.8
17.5°	368.9	366.4	365.5	365.3	364.9
20°	362.4	360.7	359.0	358.2	357.7
22.5°	355.4	353.8	351.7	351.3	349.8
25°	348.6	346.3	344.5	343.0	342.5
27.5°	340.3	337.7	335.9	334.3	334.2
30°	331.4	328.6	326.7	324.8	323.5
32.5°	321.6	319.3	316.6	314.7	313.2
35°	311.5	308.6	305.7	303.8	303.2
37.5°	300.5	297.0	294.5	292.6	292.9
40°	288.9	285.5	282.7	280.8	281.4
42.5°	276.8	273.6	270.9	268.8	268.5
45°	264.3	261.2	257.9	255.8	256.0
47.5°	251.1	247.6	244.7	242.5	243.0
50°	237.6	234.4	230.5	228.3	229.2
52.5°	223.6	219.9	216.5	214.4	214.1
55°	208.9	205.9	202.0	199.7	200.5
57.5°	194.5	190.9	187.3	184.6	185.0
60°	178.9	175.4	172.3	169.5	170.3
62.5°	163.5	160.2	156.6	154.2	155.2
65°	148.1	144.9	141.1	138.7	139.8
67.5°	132.1	129.1	125.7	123.2	123.7
70°	116.7	113.3	110.1	107.7	108.0
72.5°	100.8	97.9	94.6	92.3	93.0
75°	85.6	82.4	79.2	77.2	77.2
77.5°	70.2	67.7	64.2	61.9	62.2
80°	55.3	52.5	49.6	47.4	47.7
82.5°	40.8	38.6	35.7	33.6	33.7
85°	27.3	24.7	22.3	20.1	20.5
87.5°	14.0	12.0	9.5	7.7	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)