

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: P579361

Luminaire Tested: **SMD6S129SWH-EM - 2700K**

Issue Date: 11/18/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P579361  
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 - 2700K  
Description: SMD SELECTABLE CCT 2700K  
Light Source: SELECTABLE CCT LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

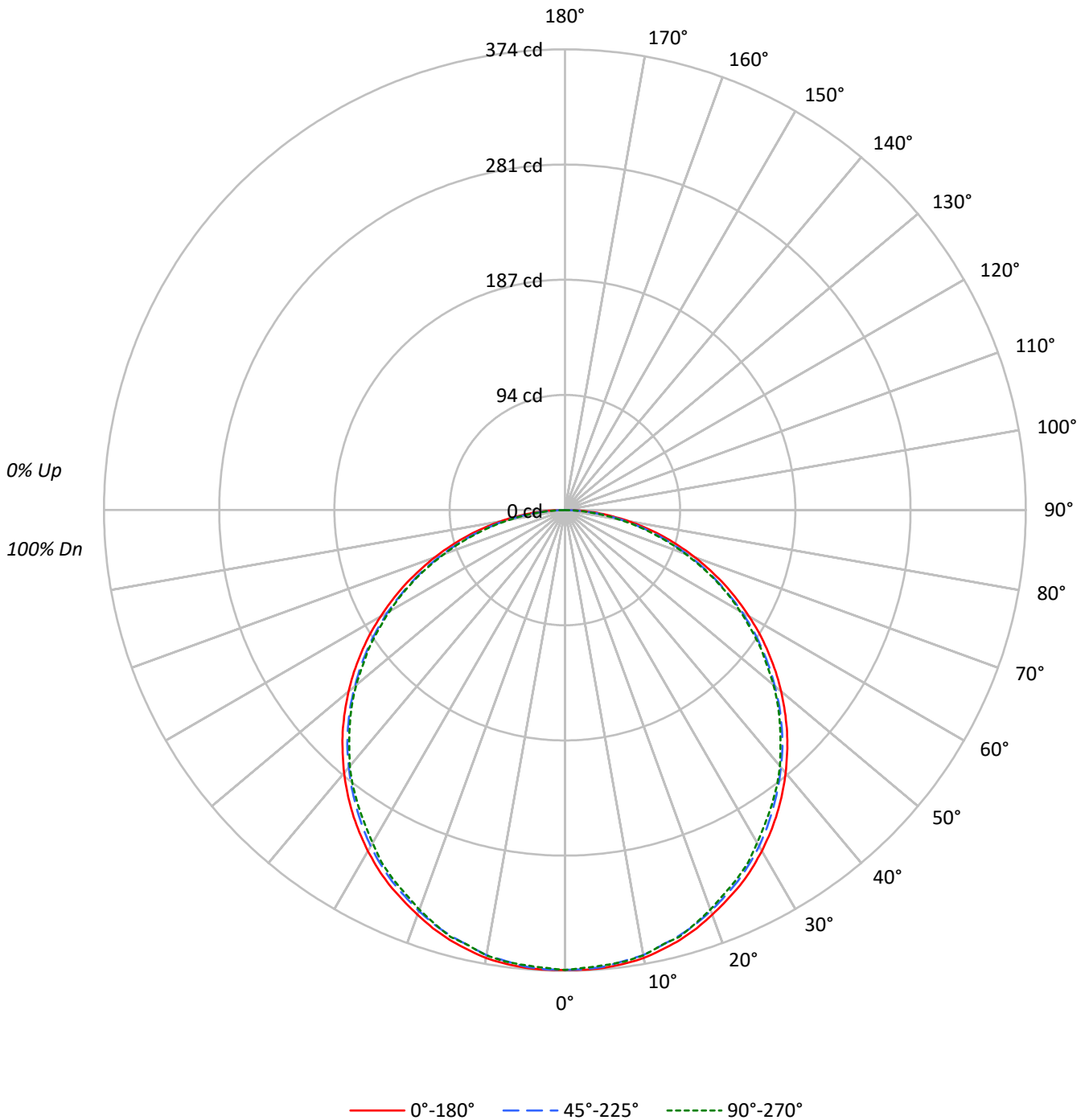
Lumens per Lamp: N/A  
Luminaire Lumens: 1084.1 lumens  
Efficiency: N/A  
Efficacy: 58.9 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.37  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 18.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	16073	16073	16073
5°	16117	16074	16026
10°	16141	16036	16045
15°	16100	15949	15984
20°	16018	15867	15812
25°	15972	15786	15696
30°	15889	15666	15512
35°	15789	15500	15374
40°	15664	15327	15254
45°	15527	15149	15034
50°	15346	14897	14810
55°	15126	14630	14518
60°	14863	14312	14139
65°	14558	13866	13743
70°	14175	13369	13117
75°	13741	12709	12393
80°	13216	11877	11406
85°	12992	10621	9732



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.4	3.3
10°-20°	101.2	9.3
20°-30°	153.2	14.1
30°-40°	184.9	17.1
40°-50°	192.5	17.8
50°-60°	175.0	16.1
60°-70°	135.6	12.5
70°-80°	81.7	7.5
80°-90°	24.7	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°	289.8	26.7
0°-40°	474.6	43.8
0°-60°	842.1	77.7
0°-90°	1084.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1084.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	373	373	373	373	373	
5°	373	373	372	372	371	35
15°	361	360	358	357	359	102
25°	336	334	332	331	330	155
35°	300	298	295	293	292	188
45°	255	252	249	247	247	197
55°	202	199	195	193	193	180
65°	143	140	136	134	135	141
75°	83	80	76	74	74	87
85°	26	24	22	19	20	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	373.3	373.3	373.3	373.3	373.3
2.5°	373.5	373.3	373.0	373.4	371.9
5°	372.9	373.0	371.9	371.8	370.8
7.5°	371.4	371.0	369.1	369.4	369.7
10°	369.2	368.0	366.8	365.8	367.0
12.5°	365.4	364.1	362.0	361.8	361.8
15°	361.2	359.5	357.8	357.3	358.6
17.5°	355.9	353.5	352.6	352.4	352.0
20°	349.6	348.0	346.3	345.6	345.1
22.5°	342.9	341.3	339.3	338.9	337.4
25°	336.2	334.1	332.3	330.8	330.4
27.5°	328.3	325.7	324.0	322.5	322.3
30°	319.6	317.0	315.1	313.3	312.0
32.5°	310.3	308.0	305.4	303.5	302.1
35°	300.4	297.7	294.9	293.1	292.5
37.5°	289.8	286.5	284.1	282.2	282.5
40°	278.7	275.3	272.7	270.8	271.4
42.5°	267.0	263.9	261.3	259.3	259.0
45°	255.0	252.0	248.8	246.8	246.9
47.5°	242.2	238.9	236.0	233.9	234.4
50°	229.1	226.1	222.4	220.3	221.1
52.5°	215.7	212.1	208.8	206.8	206.5
55°	201.5	198.6	194.9	192.6	193.4
57.5°	187.6	184.1	180.7	178.1	178.4
60°	172.6	169.2	166.2	163.5	164.2
62.5°	157.7	154.5	151.1	148.8	149.7
65°	142.9	139.8	136.1	133.8	134.9
67.5°	127.5	124.5	121.3	118.9	119.3
70°	112.6	109.2	106.2	103.9	104.2
72.5°	97.2	94.5	91.2	89.0	89.7
75°	82.6	79.5	76.4	74.5	74.5
77.5°	67.8	65.3	61.9	59.7	60.0
80°	53.3	50.7	47.9	45.7	46.0
82.5°	39.3	37.2	34.5	32.4	32.5
85°	26.3	23.8	21.5	19.4	19.7
87.5°	13.5	11.5	9.2	7.4	7.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)