

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: P579370

Luminaire Tested: **SMD6S129SWHE-EM - 5000K**

Issue Date: 11/18/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P579370  
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 - 5000K  
Description: SMD SELECTABLE CCT 5000K  
Light Source: SELECTABLE CCT LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

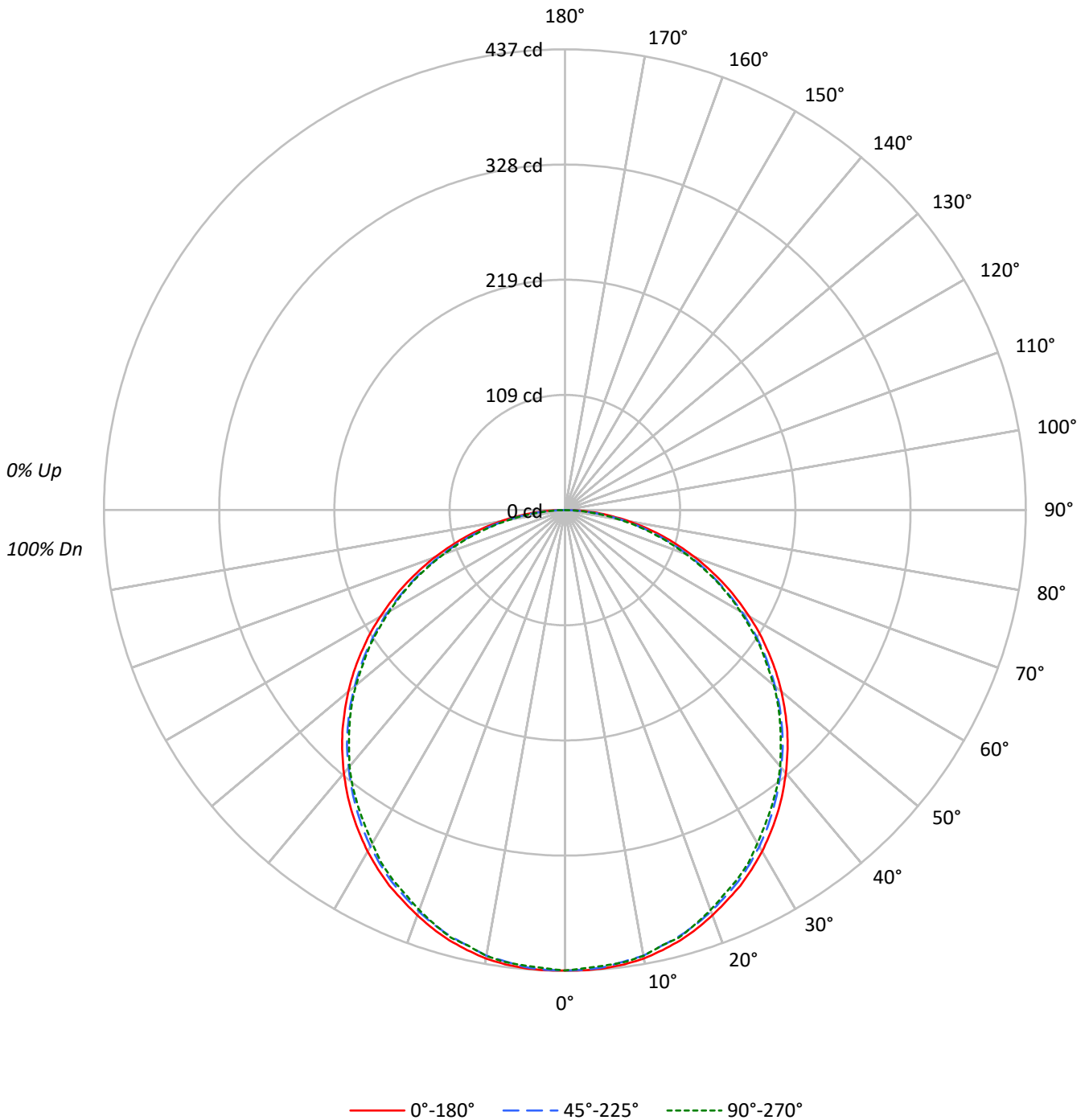
Lumens per Lamp: N/A  
Luminaire Lumens: 1268.1 lumens  
Efficiency: N/A  
Efficacy: 68.9 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.37  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct

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°	18802	18802	18802
5°	18848	18801	18745
10°	18883	18760	18769
15°	18833	18659	18699
20°	18735	18561	18492
25°	18684	18466	18361
30°	18589	18325	18146
35°	18470	18128	17986
40°	18317	17924	17845
45°	18163	17719	17585
50°	17951	17422	17322
55°	17693	17115	16980
60°	17386	16740	16542
65°	17024	16229	16076
70°	16579	15635	15346
75°	16070	14855	14489
80°	15472	13885	13340
85°	15215	12400	11412



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.4	3.3
10°-20°	118.3	9.3
20°-30°	179.3	14.1
30°-40°	216.2	17.1
40°-50°	225.1	17.8
50°-60°	204.7	16.1
60°-70°	158.6	12.5
70°-80°	95.5	7.5
80°-90°	28.9	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°	338.9	26.7
0°-40°	555.2	43.8
0°-60°	985.0	77.7
0°-90°	1268.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1268.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	437	437	437	437	437	
5°	436	436	435	435	434	41
15°	422	420	419	418	420	119
25°	393	391	389	387	386	181
35°	351	348	345	343	342	220
45°	298	295	291	289	289	230
55°	236	232	228	225	226	211
65°	167	164	159	156	158	165
75°	97	93	89	87	87	102
85°	31	28	25	23	23	34
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	436.7	436.7	436.7	436.7	436.7
2.5°	436.9	436.7	436.3	436.8	435.0
5°	436.1	436.3	435.0	434.9	433.7
7.5°	434.5	434.0	431.8	432.1	432.4
10°	431.9	430.5	429.1	427.9	429.3
12.5°	427.5	425.9	423.4	423.2	423.2
15°	422.5	420.5	418.6	418.0	419.5
17.5°	416.3	413.5	412.4	412.2	411.7
20°	408.9	407.0	405.1	404.2	403.6
22.5°	401.1	399.2	396.9	396.4	394.6
25°	393.3	390.8	388.7	387.0	386.5
27.5°	384.0	381.0	379.0	377.2	377.0
30°	373.9	370.8	368.6	366.5	365.0
32.5°	362.9	360.2	357.2	355.1	353.4
35°	351.4	348.2	344.9	342.8	342.2
37.5°	339.0	335.1	332.3	330.1	330.5
40°	325.9	322.1	318.9	316.8	317.5
42.5°	312.4	308.7	305.7	303.3	302.9
45°	298.3	294.8	291.0	288.7	288.8
47.5°	283.3	279.4	276.1	273.6	274.2
50°	268.0	264.5	260.1	257.6	258.6
52.5°	252.3	248.1	244.2	241.9	241.6
55°	235.7	232.3	228.0	225.3	226.2
57.5°	219.4	215.4	211.4	208.3	208.7
60°	201.9	197.9	194.4	191.2	192.1
62.5°	184.5	180.7	176.7	174.0	175.1
65°	167.1	163.5	159.3	156.5	157.8
67.5°	149.1	145.7	141.8	139.1	139.6
70°	131.7	127.8	124.2	121.5	121.9
72.5°	113.7	110.5	106.7	104.1	104.9
75°	96.6	93.0	89.3	87.1	87.1
77.5°	79.3	76.4	72.4	69.9	70.2
80°	62.4	59.3	56.0	53.5	53.8
82.5°	46.0	43.6	40.3	37.9	38.1
85°	30.8	27.8	25.1	22.7	23.1
87.5°	15.8	13.5	10.7	8.7	8.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)