

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: P579363

Luminaire Tested: **SMD6S129SWH-EM - 3500K**

Issue Date: 11/18/2021

Test Information

Test Method: LM-79-08
Report Number: P579363
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 - 3500K
Description: SMD SELECTABLE CCT 3500K
Light Source: SELECTABLE CCT LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

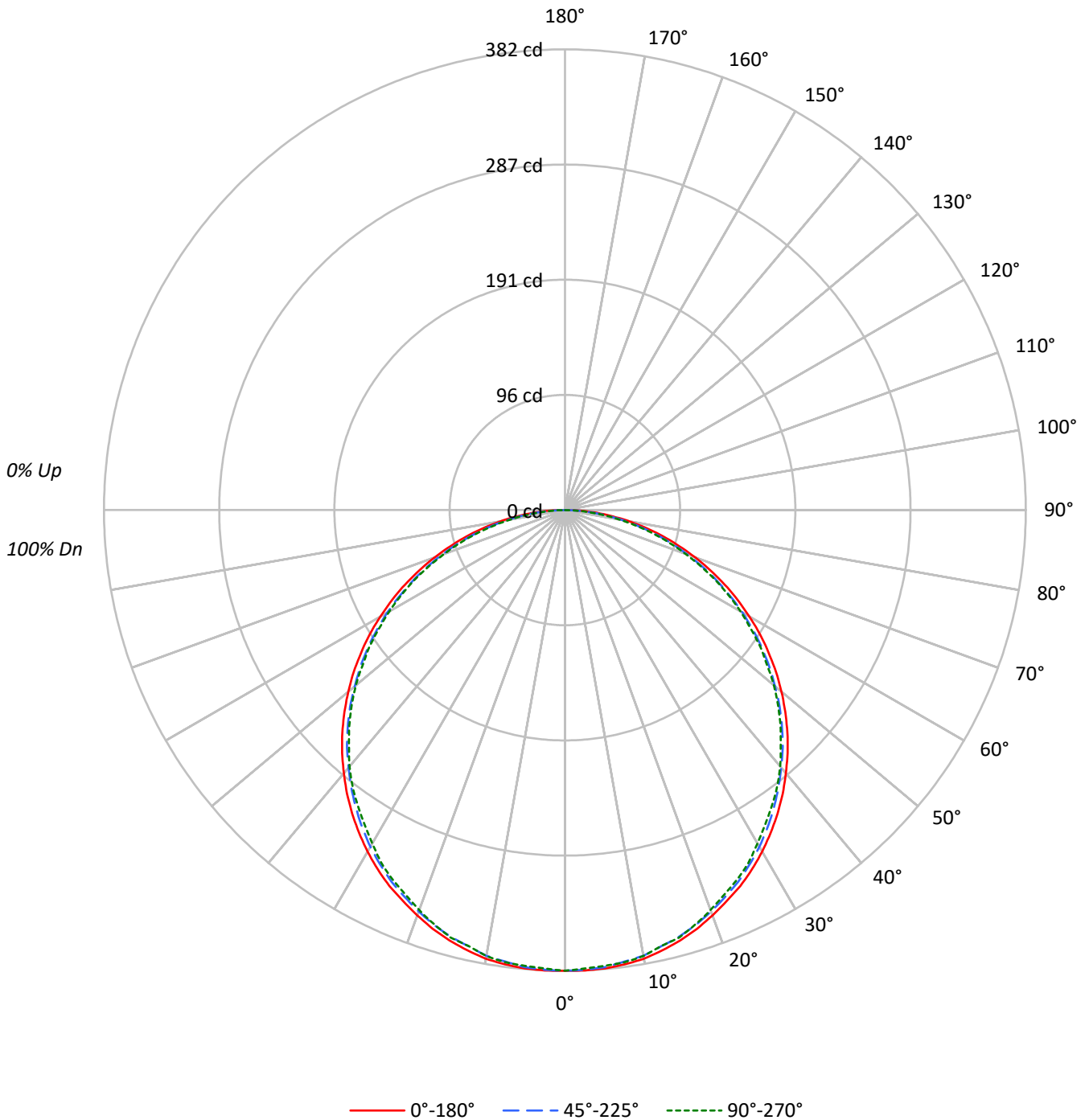
Lumens per Lamp: N/A
Luminaire Lumens: 1108.9 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.37
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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°	16443	16443	16443
5°	16484	16441	16393
10°	16513	16404	16412
15°	16466	16319	16350
20°	16385	16229	16174
25°	16338	16152	16057
30°	16257	16029	15869
35°	16152	15858	15726
40°	16018	15676	15608
45°	15880	15496	15381
50°	15701	15239	15151
55°	15478	14968	14848
60°	15199	14639	14467
65°	14884	14192	14059
70°	14490	13671	13419
75°	14040	12992	12676
80°	13538	12125	11654
85°	13289	10868	9979



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.2	3.3
10°-20°	103.5	9.3
20°-30°	156.8	14.1
30°-40°	189.1	17.1
40°-50°	196.9	17.8
50°-60°	179.0	16.1
60°-70°	138.7	12.5
70°-80°	83.5	7.5
80°-90°	25.3	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°	296.4	26.7
0°-40°	485.5	43.8
0°-60°	861.4	77.7
0°-90°	1108.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1108.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	382	382	382	382	382	
5°	381	382	380	380	379	36
15°	369	368	366	366	367	104
25°	344	342	340	338	338	158
35°	307	304	302	300	299	192
45°	261	258	254	252	253	201
55°	206	203	199	197	198	184
65°	146	143	139	137	138	144
75°	84	81	78	76	76	89
85°	27	24	22	20	20	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	381.9	381.9	381.9	381.9	381.9
2.5°	382.1	381.9	381.5	382.0	380.4
5°	381.4	381.5	380.4	380.3	379.3
7.5°	379.9	379.5	377.6	377.8	378.2
10°	377.7	376.5	375.2	374.2	375.4
12.5°	373.8	372.4	370.3	370.1	370.1
15°	369.4	367.8	366.1	365.5	366.8
17.5°	364.0	361.6	360.7	360.5	360.1
20°	357.6	355.9	354.2	353.5	353.0
22.5°	350.7	349.1	347.1	346.7	345.1
25°	343.9	341.7	340.0	338.4	338.0
27.5°	335.8	333.2	331.4	329.9	329.7
30°	327.0	324.3	322.4	320.5	319.2
32.5°	317.4	315.0	312.4	310.5	309.0
35°	307.3	304.5	301.7	299.8	299.2
37.5°	296.5	293.0	290.6	288.7	289.0
40°	285.0	281.7	278.9	277.0	277.7
42.5°	273.2	269.9	267.3	265.2	264.9
45°	260.8	257.8	254.5	252.5	252.6
47.5°	247.7	244.3	241.4	239.3	239.8
50°	234.4	231.3	227.5	225.3	226.2
52.5°	220.6	217.0	213.6	211.6	211.3
55°	206.2	203.2	199.4	197.0	197.8
57.5°	191.9	188.4	184.8	182.2	182.5
60°	176.5	173.0	170.0	167.2	168.0
62.5°	161.4	158.0	154.5	152.2	153.1
65°	146.1	143.0	139.3	136.8	138.0
67.5°	130.4	127.4	124.0	121.6	122.1
70°	115.1	111.7	108.6	106.2	106.6
72.5°	99.5	96.6	93.3	91.1	91.7
75°	84.4	81.3	78.1	76.2	76.2
77.5°	69.3	66.8	63.3	61.1	61.4
80°	54.6	51.8	48.9	46.8	47.0
82.5°	40.2	38.1	35.3	33.2	33.3
85°	26.9	24.3	22.0	19.8	20.2
87.5°	13.8	11.8	9.4	7.6	7.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)