

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: P579368

Luminaire Tested: **SMD6S129SWHE-EM - 3500K**

Issue Date: 11/18/2021

Test Information

Test Method: LM-79-08
Report Number: P579368
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 - 3500K
Description: SMD SELECTABLE CCT 3500K
Light Source: SELECTABLE CCT LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

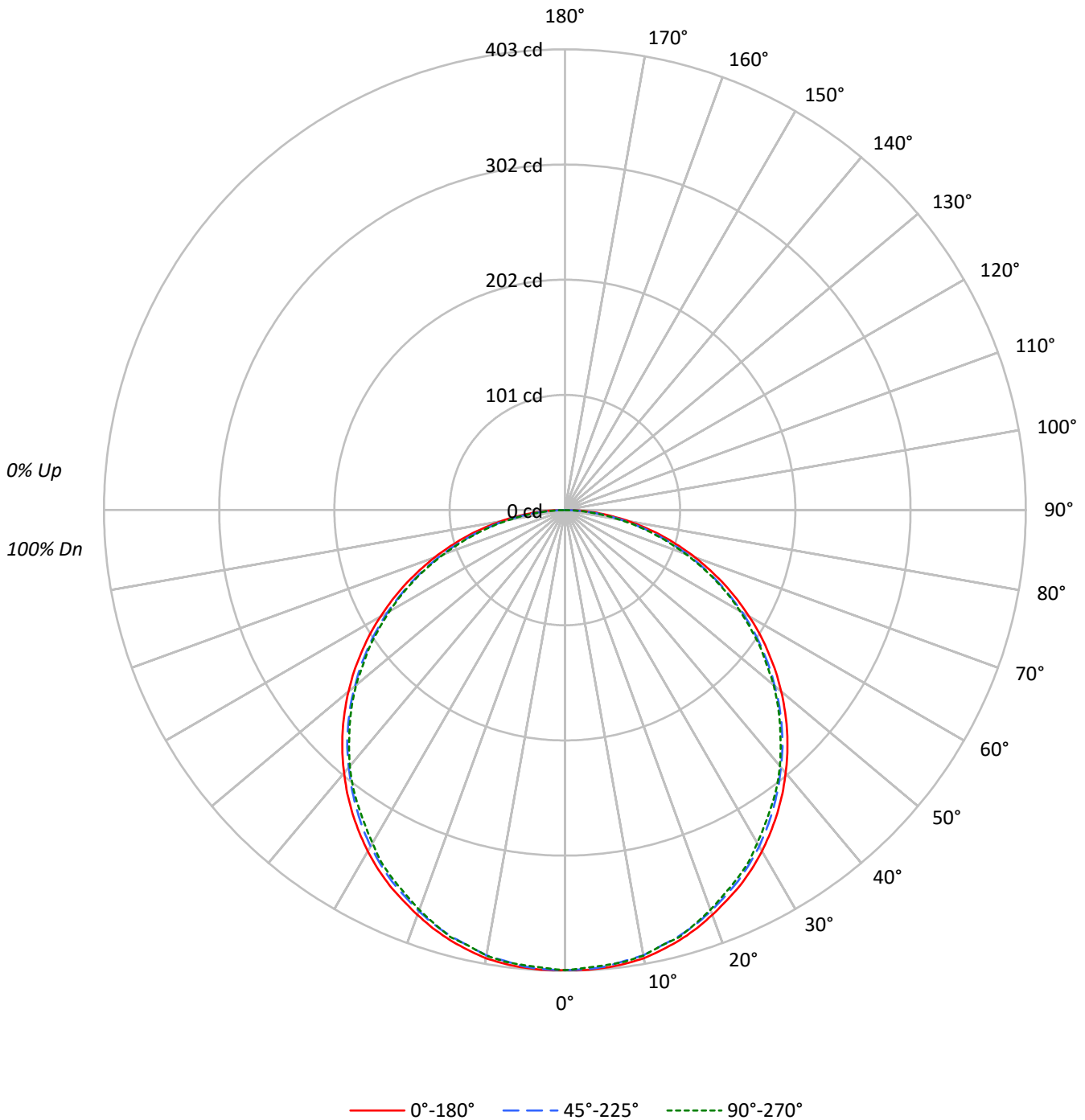
Lumens per Lamp: N/A
Luminaire Lumens: 1168.6 lumens
Efficiency: N/A
Efficacy: 63.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.37
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 18.3
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°	17326	17326	17326
5°	17370	17327	17275
10°	17401	17287	17296
15°	17353	17197	17233
20°	17265	17104	17045
25°	17216	17017	16917
30°	17132	16889	16725
35°	17025	16709	16573
40°	16884	16519	16446
45°	16739	16331	16203
50°	16545	16056	15962
55°	16304	15771	15651
60°	16017	15423	15242
65°	15689	14956	14813
70°	15270	14414	14137
75°	14806	13691	13358
80°	14257	12794	12298
85°	13980	11461	10522



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.1	3.3
10°-20°	109.1	9.3
20°-30°	165.2	14.1
30°-40°	199.3	17.1
40°-50°	207.5	17.8
50°-60°	188.6	16.1
60°-70°	146.2	12.5
70°-80°	88.0	7.5
80°-90°	26.7	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°	312.4	26.7
0°-40°	511.6	43.8
0°-60°	907.7	77.7
0°-90°	1168.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1168.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	402	402	402	402	402	
5°	402	402	401	401	400	38
15°	389	388	386	385	387	110
25°	362	360	358	357	356	167
35°	324	321	318	316	315	203
45°	275	272	268	266	266	212
55°	217	214	210	208	208	194
65°	154	151	147	144	145	152
75°	89	86	82	80	80	94
85°	28	26	23	21	21	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	402.4	402.4	402.4	402.4	402.4
2.5°	402.7	402.4	402.1	402.5	400.9
5°	401.9	402.1	400.9	400.8	399.7
7.5°	400.4	399.9	397.9	398.2	398.5
10°	398.0	396.7	395.4	394.3	395.6
12.5°	393.9	392.5	390.2	390.1	390.1
15°	389.3	387.5	385.8	385.2	386.6
17.5°	383.6	381.0	380.1	379.9	379.4
20°	376.8	375.1	373.3	372.5	372.0
22.5°	369.6	367.9	365.7	365.3	363.7
25°	362.4	360.1	358.2	356.6	356.1
27.5°	353.9	351.1	349.2	347.6	347.5
30°	344.6	341.7	339.7	337.8	336.4
32.5°	334.5	332.0	329.2	327.2	325.7
35°	323.9	320.9	317.9	315.9	315.3
37.5°	312.4	308.8	306.3	304.2	304.6
40°	300.4	296.8	293.9	292.0	292.6
42.5°	287.9	284.5	281.7	279.5	279.2
45°	274.9	271.6	268.2	266.0	266.1
47.5°	261.1	257.5	254.4	252.2	252.7
50°	247.0	243.7	239.7	237.4	238.3
52.5°	232.5	228.7	225.1	223.0	222.6
55°	217.2	214.1	210.1	207.6	208.5
57.5°	202.2	198.5	194.8	192.0	192.4
60°	186.0	182.4	179.1	176.2	177.0
62.5°	170.0	166.5	162.9	160.4	161.3
65°	154.0	150.7	146.8	144.2	145.4
67.5°	137.4	134.3	130.7	128.2	128.7
70°	121.3	117.8	114.5	112.0	112.3
72.5°	104.8	101.8	98.3	96.0	96.7
75°	89.0	85.7	82.3	80.3	80.3
77.5°	73.0	70.4	66.7	64.4	64.7
80°	57.5	54.6	51.6	49.3	49.6
82.5°	42.4	40.2	37.2	35.0	35.1
85°	28.3	25.7	23.2	20.9	21.3
87.5°	14.6	12.4	9.9	8.0	8.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)