

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: P579366

Luminaire Tested: **SMD6S129SWHE-EM - 2700K**

Issue Date: 11/18/2021

Test Information

Test Method: LM-79-08
Report Number: P579366
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 - 2700K
Description: SMD SELECTABLE CCT 2700K
Light Source: SELECTABLE CCT LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

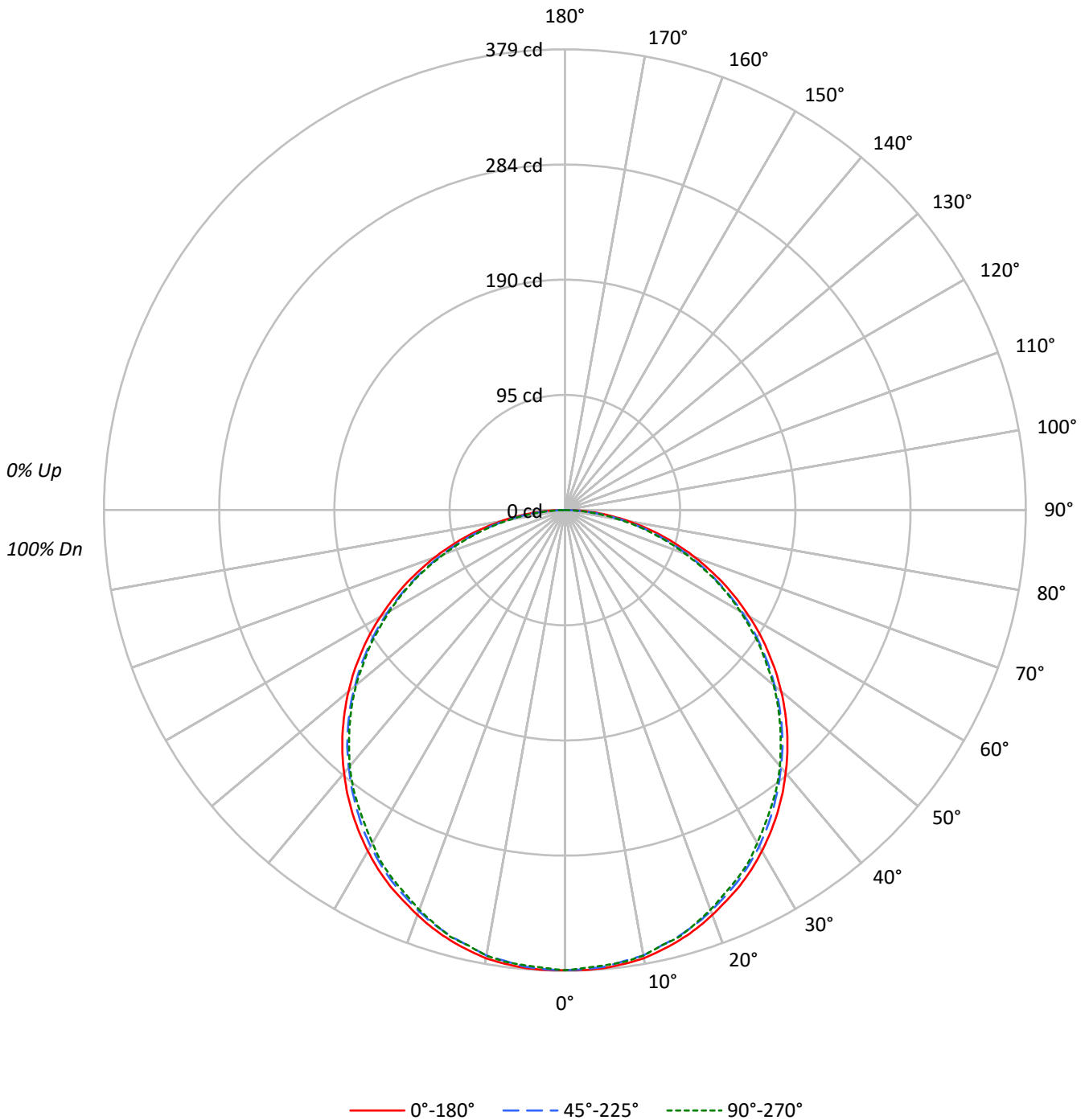
Lumens per Lamp: N/A
Luminaire Lumens: 1099.0 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.37
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 18.4
Input Voltage (V): NR
Input Current (A_{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°	16297	16297	16297
5°	16337	16294	16246
10°	16364	16259	16268
15°	16319	16172	16203
20°	16238	16087	16027
25°	16190	16005	15910
30°	16108	15884	15725
35°	16010	15711	15584
40°	15878	15535	15468
45°	15740	15356	15241
50°	15560	15098	15011
55°	15336	14833	14713
60°	15061	14510	14338
65°	14752	14059	13927
70°	14364	13545	13294
75°	13924	12876	12560
80°	13414	12025	11554
85°	13190	10769	9880



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.8	3.3
10°-20°	102.6	9.3
20°-30°	155.3	14.1
30°-40°	187.4	17.1
40°-50°	195.1	17.8
50°-60°	177.4	16.1
60°-70°	137.5	12.5
70°-80°	82.8	7.5
80°-90°	25.1	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°	293.8	26.7
0°-40°	481.2	43.8
0°-60°	853.6	77.7
0°-90°	1099.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1099.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	378	378	378	378	378	
5°	378	378	377	377	376	36
15°	366	364	363	362	364	103
25°	341	339	337	335	335	157
35°	305	302	299	297	296	190
45°	258	256	252	250	250	199
55°	204	201	198	195	196	183
65°	145	142	138	136	137	143
75°	84	81	77	76	76	88
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°	378.5	378.5	378.5	378.5	378.5
2.5°	378.7	378.5	378.1	378.6	377.0
5°	378.0	378.1	377.0	376.9	375.9
7.5°	376.5	376.1	374.2	374.4	374.8
10°	374.3	373.1	371.9	370.9	372.1
12.5°	370.5	369.1	367.0	366.8	366.8
15°	366.1	364.5	362.8	362.3	363.5
17.5°	360.8	358.3	357.4	357.3	356.8
20°	354.4	352.7	351.1	350.3	349.8
22.5°	347.6	346.0	343.9	343.6	342.0
25°	340.8	338.7	336.9	335.4	334.9
27.5°	332.8	330.2	328.4	326.9	326.8
30°	324.0	321.4	319.5	317.6	316.3
32.5°	314.5	312.2	309.6	307.7	306.3
35°	304.6	301.8	298.9	297.1	296.5
37.5°	293.8	290.4	288.0	286.1	286.4
40°	282.5	279.1	276.4	274.6	275.2
42.5°	270.7	267.5	264.9	262.8	262.6
45°	258.5	255.5	252.2	250.2	250.3
47.5°	245.5	242.2	239.3	237.2	237.6
50°	232.3	229.2	225.4	223.3	224.1
52.5°	218.6	215.0	211.7	209.7	209.4
55°	204.3	201.3	197.6	195.3	196.0
57.5°	190.2	186.7	183.2	180.5	180.9
60°	174.9	171.5	168.5	165.7	166.5
62.5°	159.9	156.6	153.2	150.8	151.7
65°	144.8	141.7	138.0	135.6	136.7
67.5°	129.2	126.3	122.9	120.5	121.0
70°	114.1	110.7	107.6	105.3	105.6
72.5°	98.6	95.8	92.5	90.3	90.9
75°	83.7	80.6	77.4	75.5	75.5
77.5°	68.7	66.2	62.7	60.6	60.8
80°	54.1	51.4	48.5	46.3	46.6
82.5°	39.9	37.8	35.0	32.9	33.0
85°	26.7	24.1	21.8	19.7	20.0
87.5°	13.7	11.7	9.3	7.5	7.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)