

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: P579365

Luminaire Tested: **SMD6S129SWH-EM - 5000K**

Issue Date: 11/18/2021

Test Information

Test Method: LM-79-08
Report Number: P579365
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 - 5000K
Description: SMD SELECTABLE CCT 5000K
Light Source: SELECTABLE CCT LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

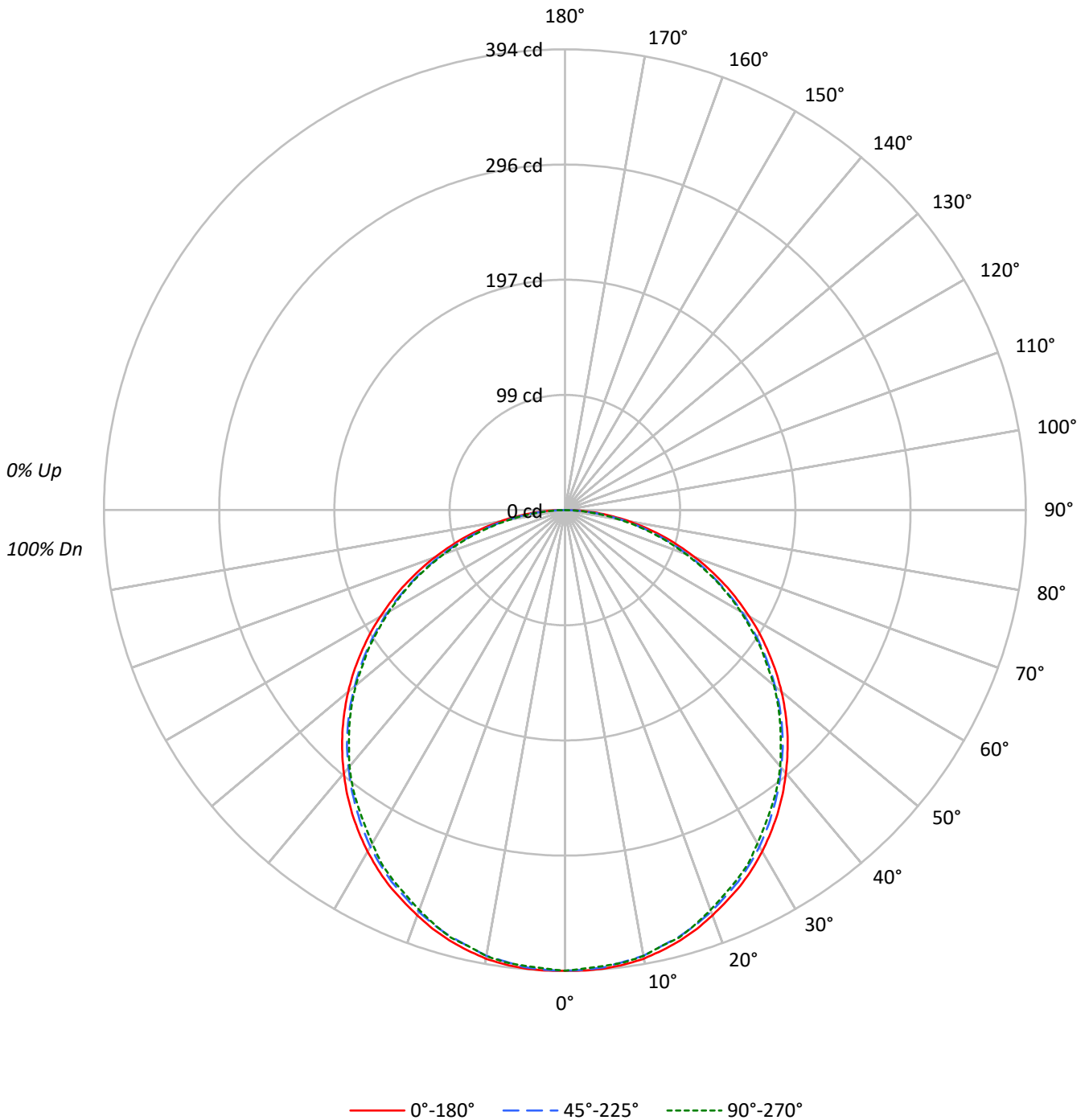
Lumens per Lamp: N/A
Luminaire Lumens: 1143.7 lumens
Efficiency: N/A
Efficacy: 61.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.37
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 18.5
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°	16960	16960	16960
5°	17003	16955	16908
10°	17029	16920	16928
15°	16983	16827	16863
20°	16898	16742	16678
25°	16851	16656	16561
30°	16764	16531	16367
35°	16662	16352	16220
40°	16524	16170	16097
45°	16379	15984	15862
50°	16196	15714	15627
55°	15959	15433	15313
60°	15681	15095	14923
65°	15353	14630	14497
70°	14943	14099	13835
75°	14489	13408	13075
80°	13959	12521	12025
85°	13684	11214	10275



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.3	3.3
10°-20°	106.7	9.3
20°-30°	161.7	14.1
30°-40°	195.1	17.1
40°-50°	203.0	17.8
50°-60°	184.6	16.1
60°-70°	143.1	12.5
70°-80°	86.2	7.5
80°-90°	26.1	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°	305.7	26.7
0°-40°	500.8	43.8
0°-60°	888.4	77.7
0°-90°	1143.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1143.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	394	394	394	394	394	
5°	393	394	392	392	391	37
15°	381	379	378	377	378	108
25°	355	352	351	349	349	163
35°	317	314	311	309	309	198
45°	269	266	262	260	260	207
55°	213	210	206	203	204	190
65°	151	148	144	141	142	149
75°	87	84	81	79	79	92
85°	28	25	23	20	21	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	393.9	393.9	393.9	393.9	393.9
2.5°	394.1	393.9	393.5	394.0	392.3
5°	393.4	393.5	392.3	392.2	391.2
7.5°	391.9	391.4	389.4	389.7	390.0
10°	389.5	388.3	387.0	386.0	387.2
12.5°	385.5	384.1	381.9	381.8	381.8
15°	381.0	379.3	377.5	377.0	378.3
17.5°	375.5	372.9	372.0	371.8	371.4
20°	368.8	367.1	365.4	364.6	364.0
22.5°	361.7	360.0	357.9	357.6	355.9
25°	354.7	352.5	350.6	349.0	348.6
27.5°	346.3	343.6	341.8	340.2	340.1
30°	337.2	334.4	332.5	330.6	329.2
32.5°	327.3	324.9	322.2	320.3	318.7
35°	317.0	314.1	311.1	309.2	308.6
37.5°	305.8	302.2	299.8	297.7	298.1
40°	294.0	290.5	287.7	285.7	286.4
42.5°	281.7	278.4	275.7	273.5	273.2
45°	269.0	265.9	262.5	260.4	260.5
47.5°	255.5	252.0	249.0	246.8	247.3
50°	241.8	238.5	234.6	232.4	233.3
52.5°	227.6	223.8	220.3	218.2	217.9
55°	212.6	209.5	205.6	203.2	204.0
57.5°	197.9	194.3	190.6	187.9	188.3
60°	182.1	178.5	175.3	172.5	173.3
62.5°	166.4	163.0	159.4	156.9	157.9
65°	150.7	147.5	143.6	141.1	142.3
67.5°	134.5	131.4	127.9	125.4	125.9
70°	118.7	115.3	112.0	109.6	109.9
72.5°	102.6	99.7	96.3	93.9	94.6
75°	87.1	83.9	80.6	78.6	78.6
77.5°	71.5	68.9	65.3	63.0	63.3
80°	56.3	53.5	50.5	48.2	48.5
82.5°	41.5	39.3	36.4	34.2	34.3
85°	27.7	25.1	22.7	20.5	20.8
87.5°	14.3	12.2	9.7	7.9	8.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)