

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: P579362

Luminaire Tested: **SMD6S129SWH-EM - 3000K**

Issue Date: 11/18/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P579362  
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 - 3000K  
Description: SMD SELECTABLE CCT 3000K  
Light Source: SELECTABLE CCT LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

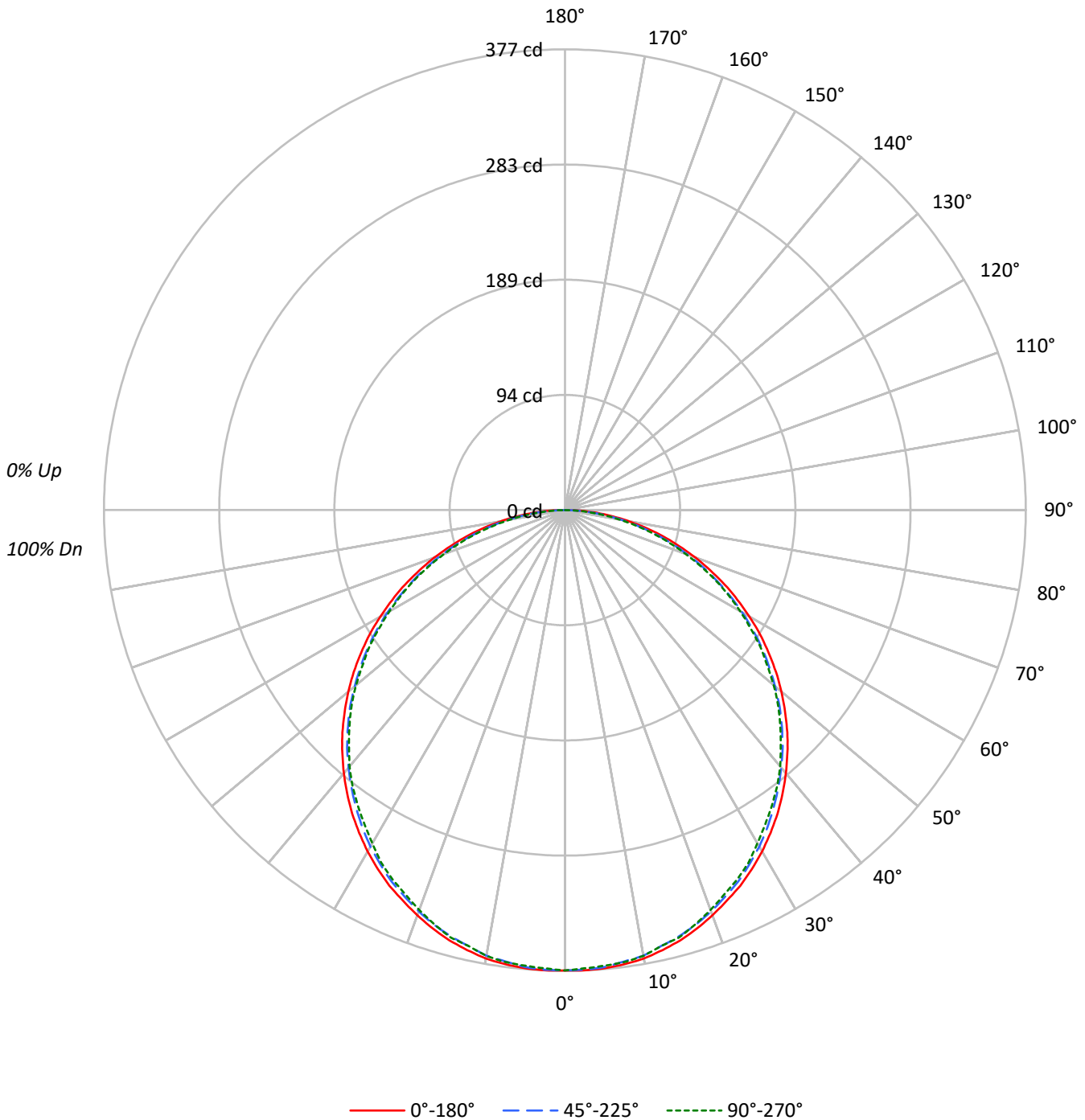
Lumens per Lamp: N/A  
Luminaire Lumens: 1094.0 lumens  
Efficiency: N/A  
Efficacy: 59.5 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.37  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct

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



TEST NUMBER: P579362  
CATALOG NUMBER: SMD6S129SWH-EM - 3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P579362  
 CATALOG NUMBER: SMD6S129SWH-EM - 3000K

**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°	16219	16219	16219
5°	16264	16221	16173
10°	16290	16185	16194
15°	16247	16096	16132
20°	16165	16014	15954
25°	16119	15934	15839
30°	16039	15810	15656
35°	15937	15642	15516
40°	15805	15468	15395
45°	15667	15283	15174
50°	15493	15031	14944
55°	15268	14765	14653
60°	15001	14441	14269
65°	14691	13998	13866
70°	14301	13495	13243
75°	13857	12826	12510
80°	13340	11976	11505
85°	13091	10720	9831



TEST NUMBER: P579362  
 CATALOG NUMBER: SMD6S129SWH-EM - 3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.7	3.3
10°-20°	102.1	9.3
20°-30°	154.6	14.1
30°-40°	186.6	17.1
40°-50°	194.2	17.8
50°-60°	176.6	16.1
60°-70°	136.9	12.5
70°-80°	82.4	7.5
80°-90°	24.9	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°	292.4	26.7
0°-40°	479.0	43.8
0°-60°	849.8	77.7
0°-90°	1094.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1094.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	377	377	377	377	377	
5°	376	376	375	375	374	36
15°	364	363	361	361	362	103
25°	339	337	335	334	333	156
35°	303	300	298	296	295	190
45°	257	254	251	249	249	198
55°	203	200	197	194	195	182
65°	144	141	137	135	136	143
75°	83	80	77	75	75	88
85°	26	24	22	20	20	29
90°	0	0	0	0	0	



TEST NUMBER: P579362  
 CATALOG NUMBER: SMD6S129SWH-EM - 3000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	376.7	376.7	376.7	376.7	376.7
2.5°	377.0	376.7	376.4	376.8	375.3
5°	376.3	376.4	375.3	375.2	374.2
7.5°	374.8	374.4	372.5	372.8	373.1
10°	372.6	371.4	370.2	369.2	370.4
12.5°	368.8	367.4	365.3	365.2	365.2
15°	364.5	362.8	361.1	360.6	361.9
17.5°	359.1	356.7	355.8	355.6	355.2
20°	352.8	351.1	349.5	348.7	348.2
22.5°	346.0	344.4	342.4	342.0	340.5
25°	339.3	337.1	335.4	333.9	333.4
27.5°	331.3	328.7	326.9	325.4	325.3
30°	322.6	319.9	318.0	316.2	314.9
32.5°	313.1	310.8	308.2	306.3	304.9
35°	303.2	300.4	297.6	295.7	295.2
37.5°	292.5	289.1	286.7	284.8	285.1
40°	281.2	277.9	275.2	273.3	273.9
42.5°	269.5	266.3	263.7	261.6	261.4
45°	257.3	254.3	251.0	249.1	249.2
47.5°	244.4	241.1	238.2	236.1	236.6
50°	231.3	228.2	224.4	222.3	223.1
52.5°	217.7	214.1	210.7	208.7	208.4
55°	203.4	200.4	196.7	194.4	195.2
57.5°	189.3	185.8	182.4	179.7	180.1
60°	174.2	170.7	167.7	165.0	165.7
62.5°	159.2	155.9	152.5	150.1	151.0
65°	144.2	141.1	137.4	135.0	136.1
67.5°	128.6	125.7	122.4	120.0	120.4
70°	113.6	110.2	107.2	104.8	105.2
72.5°	98.1	95.3	92.1	89.8	90.5
75°	83.3	80.2	77.1	75.2	75.2
77.5°	68.4	65.9	62.5	60.3	60.5
80°	53.8	51.1	48.3	46.1	46.4
82.5°	39.7	37.6	34.8	32.7	32.8
85°	26.5	24.0	21.7	19.6	19.9
87.5°	13.6	11.6	9.2	7.5	7.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)