

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: P232675

Luminaire Tested: **SMD6R12930WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P232675
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1709-299-1)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: SMD6R12930WH
Description: HALO 6" ROUND SURFACE MOUNT 1200LM
Light Source: (49) 3000K CCT, 90 CRI LEDS
Ballast/Driver: LEEDARSON ELECTRONIC DRIVER

Summary

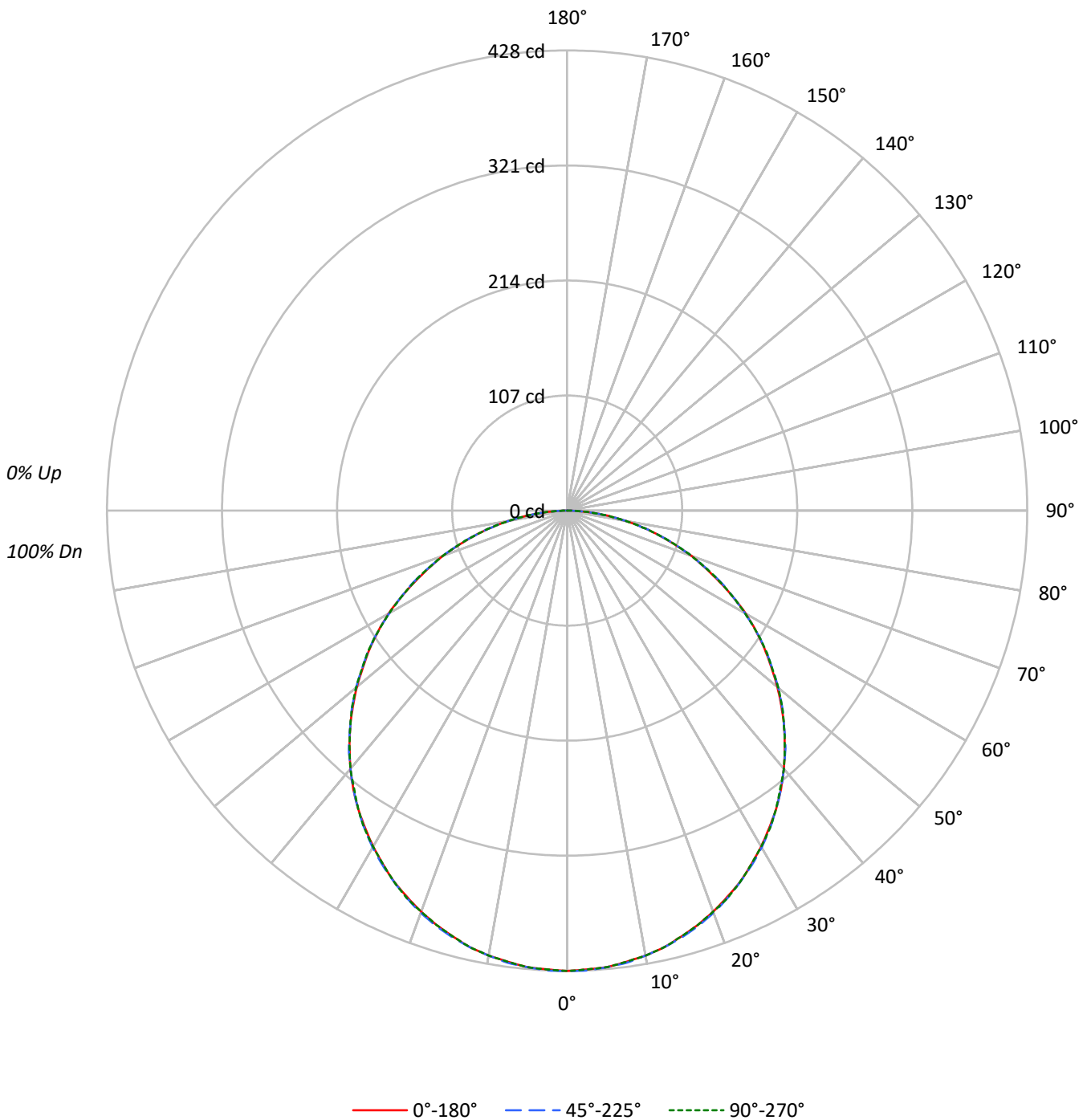
Lumens per Lamp: N/A
Luminaire Lumens: 1241.0 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.37
Luminous Opening: Circular (Dia: 0.52' x H: 0')
CIE Type: Direct

Input Watts (W): 15.1
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	104	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	85	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	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	70	56	47	40	68	55	46	40	53	46	40	52	45	40	50	44	39	37
7	64	51	42	36	63	50	42	36	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	53	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°	21634	21634	21634
5°	21615	21615	21615
10°	21557	21557	21557
15°	21450	21502	21450
20°	21350	21404	21350
25°	21239	21239	21239
30°	21054	21113	21054
35°	20896	20896	20896
40°	20683	20683	20683
45°	20399	20399	20399
50°	20066	20145	20145
55°	19748	19836	19836
60°	19401	19300	19300
65°	18625	18864	18745
70°	18110	18110	18110
75°	17275	17275	17275
80°	16089	16089	16089
85°	13970	13970	13970



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.5	3.3
10°-20°	115.9	9.3
20°-30°	175.6	14.2
30°-40°	212.0	17.1
40°-50°	220.5	17.8
50°-60°	200.5	16.2
60°-70°	155.2	12.5
70°-80°	93.4	7.5
80°-90°	27.4	2.2
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°	332.0	26.8
0°-40°	544.0	43.8
0°-60°	965.0	77.8
0°-90°	1241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1241.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	428	428	428	428	428	
5°	426	426	426	426	426	40
15°	410	411	411	410	410	116
25°	381	381	381	381	381	175
35°	339	339	339	339	339	212
45°	286	286	286	286	286	220
55°	224	224	225	224	225	200
65°	156	157	158	157	157	155
75°	88	88	88	88	88	93
85°	24	24	24	24	24	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	428.2	428.2	428.2	428.2	428.2
2.5°	427.2	428.2	428.2	427.2	427.2
5°	426.2	426.2	426.2	426.2	426.2
7.5°	423.2	424.2	424.2	423.2	423.2
10°	420.2	420.2	420.2	420.2	420.2
12.5°	416.2	416.2	416.2	416.2	416.2
15°	410.1	411.1	411.1	410.1	410.1
17.5°	404.1	405.1	405.1	404.1	404.1
20°	397.1	398.1	398.1	397.1	397.1
22.5°	389.0	390.0	390.0	389.0	390.0
25°	381.0	381.0	381.0	381.0	381.0
27.5°	370.9	371.9	371.9	371.9	370.9
30°	360.9	361.9	361.9	360.9	360.9
32.5°	349.8	350.8	350.8	350.8	350.8
35°	338.8	338.8	338.8	338.8	338.8
37.5°	326.7	326.7	326.7	326.7	325.7
40°	313.6	313.6	313.6	313.6	313.6
42.5°	299.6	300.6	300.6	300.6	299.6
45°	285.5	285.5	285.5	285.5	285.5
47.5°	270.4	271.4	271.4	271.4	271.4
50°	255.3	256.3	256.3	256.3	256.3
52.5°	239.2	240.2	240.2	240.2	240.2
55°	224.2	224.2	225.2	224.2	225.2
57.5°	208.1	208.1	208.1	208.1	208.1
60°	192.0	191.0	191.0	191.0	191.0
62.5°	173.9	173.9	173.9	173.9	173.9
65°	155.8	156.8	157.8	156.8	156.8
67.5°	138.7	139.7	139.7	139.7	139.7
70°	122.6	121.6	122.6	122.6	122.6
72.5°	104.5	105.5	105.5	104.5	105.5
75°	88.5	88.5	88.5	88.5	88.5
77.5°	71.4	72.4	71.4	71.4	71.4
80°	55.3	55.3	55.3	55.3	55.3
82.5°	39.2	39.2	39.2	39.2	39.2
85°	24.1	24.1	24.1	24.1	24.1
87.5°	10.1	10.1	10.1	9.0	10.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)