

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: P253156

Luminaire Tested: **SMD6R12950WHE**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1805-792-1)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: SMD6R12950WHE
Description: HALO 6" ROUND SURFACE MOUNT 1200LM UNV Voltage
Light Source: (49) 5000K CCT, 92 CRI LEDS
Ballast/Driver: LEEDARSON ELECTRONIC DRIVER

Summary

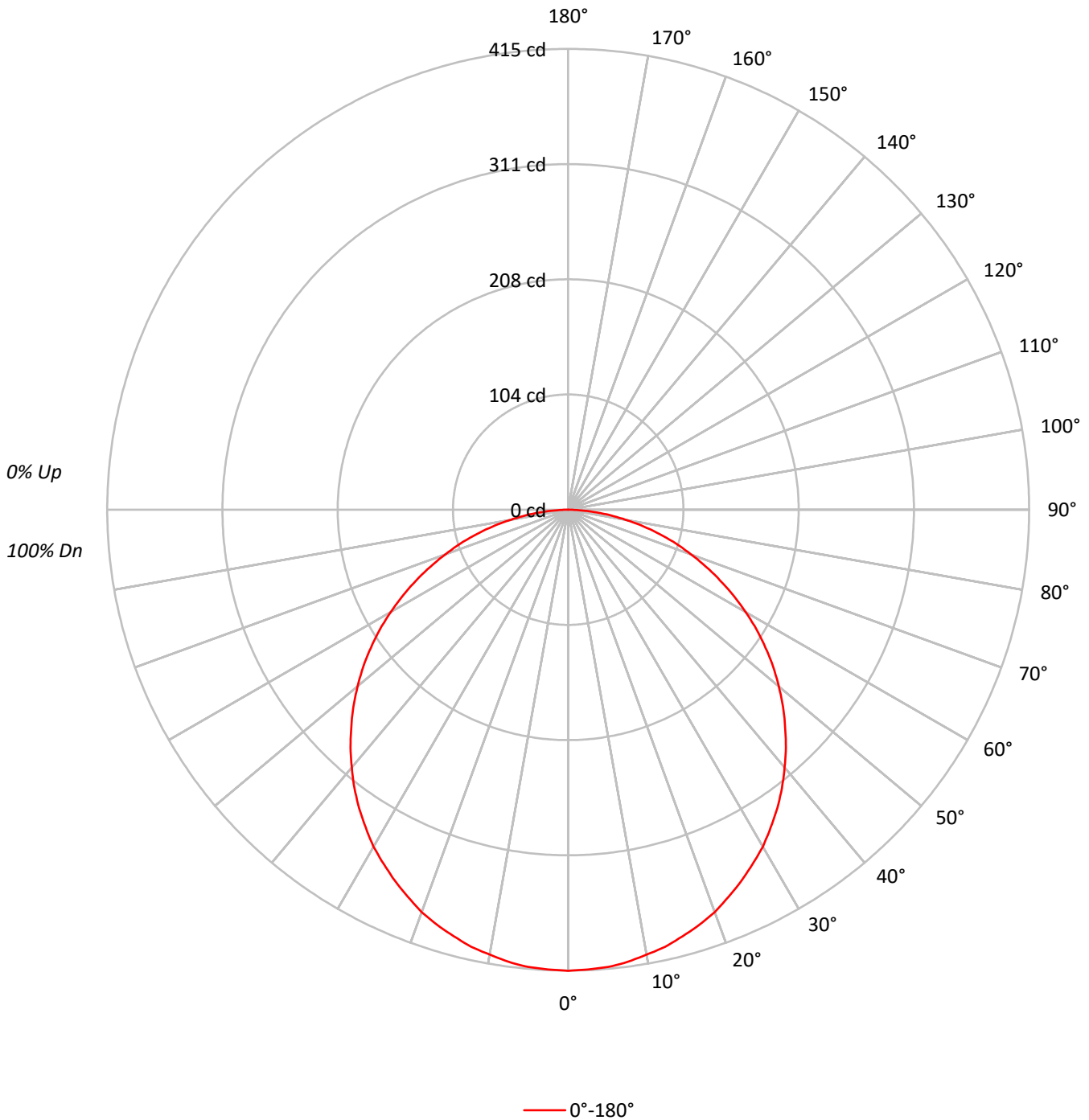
Lumens per Lamp: N/A
Luminaire Lumens: 1200.0 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.52' x H: 0')
CIE Type: Direct

Input Watts (W): 15.3
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	47	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	32		43	36	31		42	36	31	29
9	56	42	34	29	55	42	34	29	41	33	28		40	33	28		39	33	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°
0°	20982
5°	20966
10°	20875
15°	20802
20°	20732
25°	20564
30°	20442
35°	20242
40°	19990
45°	19734
50°	19453
55°	19105
60°	18643
65°	18063
70°	17386
75°	16651
80°	15362
85°	13449



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.2	3.3
10°-20°	112.3	9.4
20°-30°	170.1	14.2
30°-40°	205.2	17.1
40°-50°	213.1	17.8
50°-60°	193.9	16.2
60°-70°	149.6	12.5
70°-80°	90.2	7.5
80°-90°	26.4	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°	321.6	26.8
0°-40°	526.9	43.9
0°-60°	933.9	77.8
0°-90°	1200.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1200.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	415	
5°	413	39
15°	398	112
25°	369	170
35°	328	205
45°	276	213
55°	217	194
65°	151	150
75°	85	90
85°	23	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	415.3
2.5°	414.4
5°	413.4
7.5°	410.7
10°	406.9
12.5°	403.2
15°	397.7
17.5°	392.1
20°	385.6
22.5°	377.3
25°	368.9
27.5°	359.7
30°	350.4
32.5°	339.3
35°	328.2
37.5°	316.1
40°	303.1
42.5°	290.1
45°	276.2
47.5°	262.3
50°	247.5
52.5°	232.7
55°	216.9
57.5°	201.2
60°	184.5
62.5°	167.8
65°	151.1
67.5°	134.4
70°	117.7
72.5°	102.0
75°	85.3
77.5°	69.5
80°	52.8
82.5°	38.0
85°	23.2
87.5°	9.3
90°	0.0

(END OF REPORT)