

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: P253155

Luminaire Tested: **SMD6R12940WHE**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253155
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: SMD6R12940WHE
Description: HALO 6" ROUND SURFACE MOUNT 1200LM UNV Voltage
Light Source: (49) 4000K CCT, 93 CRI LEDS
Ballast/Driver: LEEDARSON ELECTRONIC DRIVER

Summary

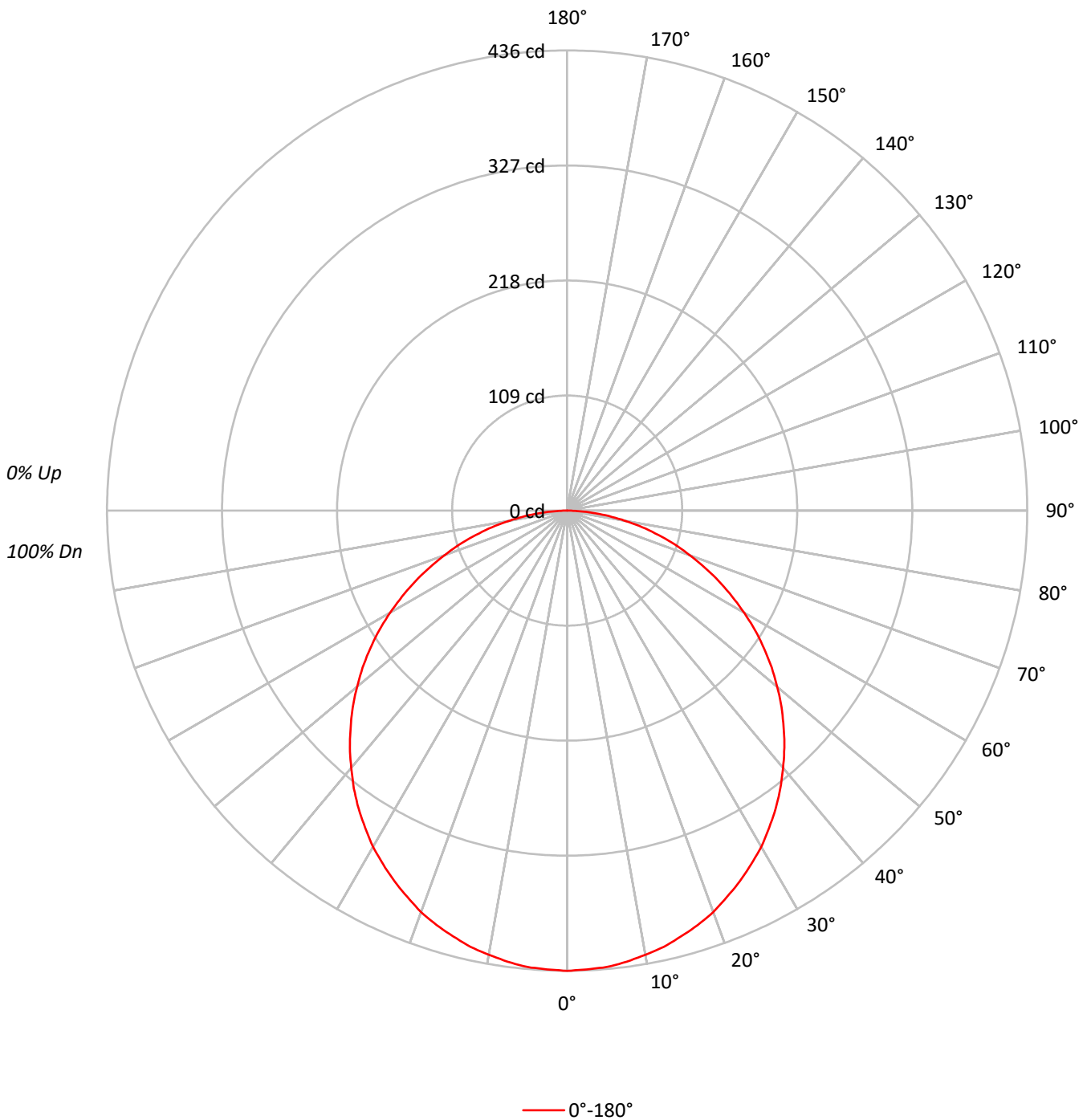
Lumens per Lamp: N/A
Luminaire Lumens: 1260.0 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.52' x H: 0')
CIE Type: Direct

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°	22033
5°	22016
10°	21921
15°	21842
20°	21769
25°	21596
30°	21463
35°	21254
40°	20993
45°	20727
50°	20428
55°	20065
60°	19572
65°	18972
70°	18258
75°	17471
80°	16148
85°	14086



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	3.3
10°-20°	117.9	9.4
20°-30°	178.6	14.2
30°-40°	215.5	17.1
40°-50°	223.9	17.8
50°-60°	203.6	16.2
60°-70°	157.0	12.5
70°-80°	94.7	7.5
80°-90°	27.7	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°	337.7	26.8
0°-40°	553.2	43.9
0°-60°	980.6	77.8
0°-90°	1260.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1260.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	436	
5°	434	41
15°	418	118
25°	387	179
35°	345	215
45°	290	224
55°	228	204
65°	159	157
75°	90	95
85°	24	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	436.1
2.5°	435.1
5°	434.1
7.5°	431.2
10°	427.3
12.5°	423.4
15°	417.6
17.5°	411.7
20°	404.9
22.5°	396.1
25°	387.4
27.5°	377.7
30°	367.9
32.5°	356.2
35°	344.6
37.5°	331.9
40°	318.3
42.5°	304.7
45°	290.1
47.5°	275.5
50°	259.9
52.5°	244.3
55°	227.8
57.5°	211.2
60°	193.7
62.5°	176.2
65°	158.7
67.5°	141.1
70°	123.6
72.5°	107.1
75°	89.5
77.5°	73.0
80°	55.5
82.5°	39.9
85°	24.3
87.5°	9.7
90°	0.0

(END OF REPORT)