

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: P253152

Luminaire Tested: **SMD6R12927WHE**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253152  
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: SMD6R12927WHE  
Description: HALO 6" ROUND SURFACE MOUNT 1200LM UNV Voltage  
Light Source: (49) 2700K CCT, 92 CRI LEDS  
Ballast/Driver: LEEDARSON ELECTRONIC DRIVER

**Summary**

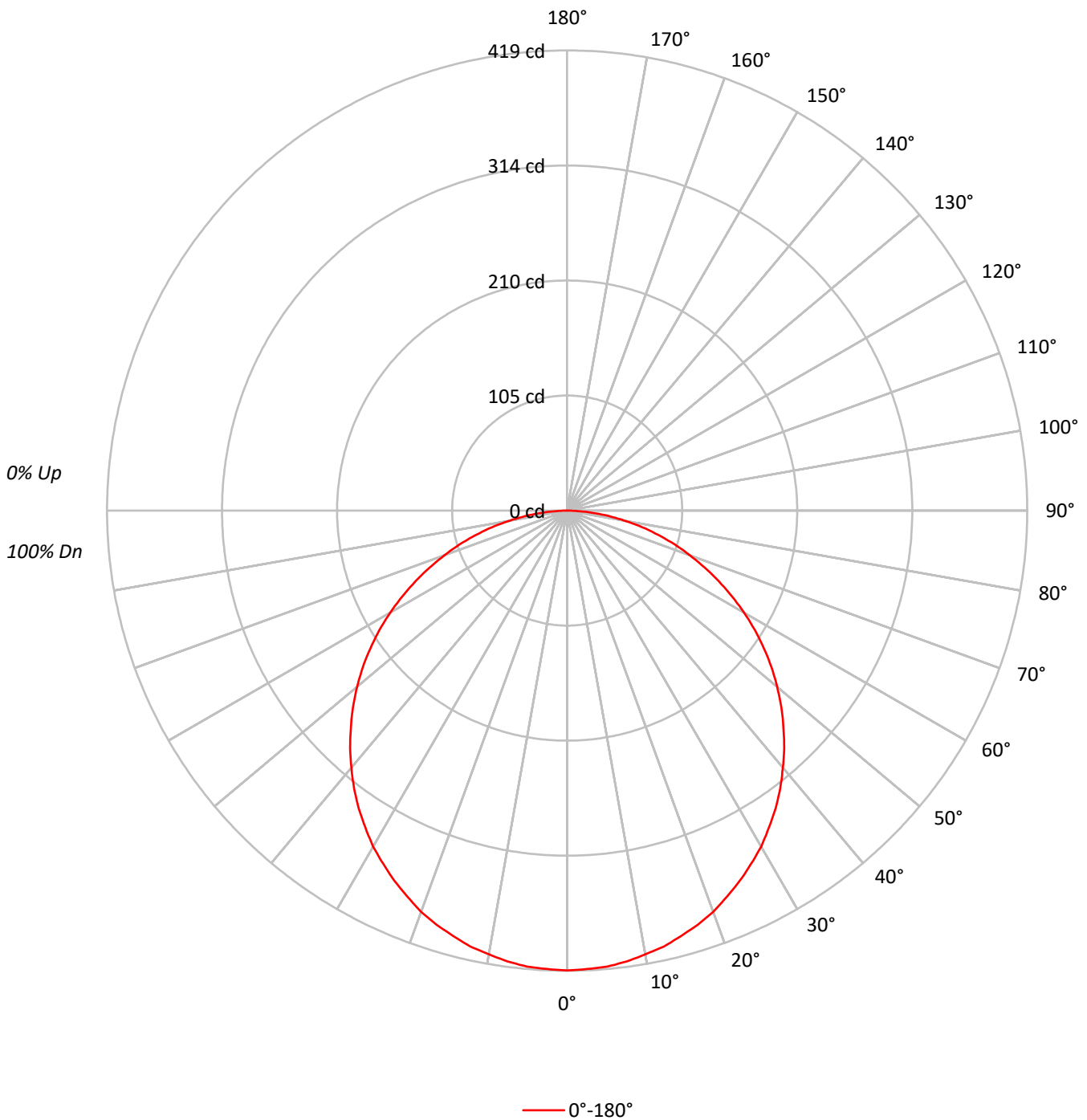
Lumens per Lamp: N/A  
Luminaire Lumens: 1210.0 lumens  
Efficiency: N/A  
Efficacy: 78.6 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
Luminous Opening: Circular (Dia: 0.52' x H: 0')  
CIE Type: Direct

Input Watts (W): 15.4  
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



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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°	21154
5°	21143
10°	21049
15°	20974
20°	20904
25°	20737
30°	20611
35°	20409
40°	20155
45°	19899
50°	19618
55°	19264
60°	18794
65°	18219
70°	17534
75°	16787
80°	15507
85°	13564



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.6	3.3
10°-20°	113.3	9.4
20°-30°	171.5	14.2
30°-40°	206.9	17.1
40°-50°	214.9	17.8
50°-60°	195.5	16.2
60°-70°	150.8	12.5
70°-80°	91.0	7.5
80°-90°	26.6	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°	324.3	26.8
0°-40°	531.2	43.9
0°-60°	941.6	77.8
0°-90°	1210.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1210.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	419	
5°	417	40
15°	401	113
25°	372	171
35°	331	207
45°	278	215
55°	219	195
65°	152	151
75°	86	91
85°	23	27
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	418.7
2.5°	417.8
5°	416.9
7.5°	414.1
10°	410.3
12.5°	406.6
15°	401.0
17.5°	395.4
20°	388.8
22.5°	380.4
25°	372.0
27.5°	362.7
30°	353.3
32.5°	342.1
35°	330.9
37.5°	318.7
40°	305.6
42.5°	292.6
45°	278.5
47.5°	264.5
50°	249.6
52.5°	234.6
55°	218.7
57.5°	202.8
60°	186.0
62.5°	169.2
65°	152.4
67.5°	135.5
70°	118.7
72.5°	102.8
75°	86.0
77.5°	70.1
80°	53.3
82.5°	38.3
85°	23.4
87.5°	9.3
90°	0.0

(END OF REPORT)