

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: P382118

Luminaire Tested: **RA6069S1EWHMDMR-3000K**

Test Date: 11/12/2019

Test Information

Test Method: LM-79-08
Report Number: P382118
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1911-579-1)
Test Lab: INNOVATION CENTER (G1)
Test Date: 11/12/2019
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: RA6069S1EWHMDMR-3000K
Description: HALO RA Direct Mount Downlight 6" 3000K
Light Source: (32) 90 CRI LEDS
BRIDGELUX2835
Ballast/Driver: ELECTRICAL DRIVER

Summary

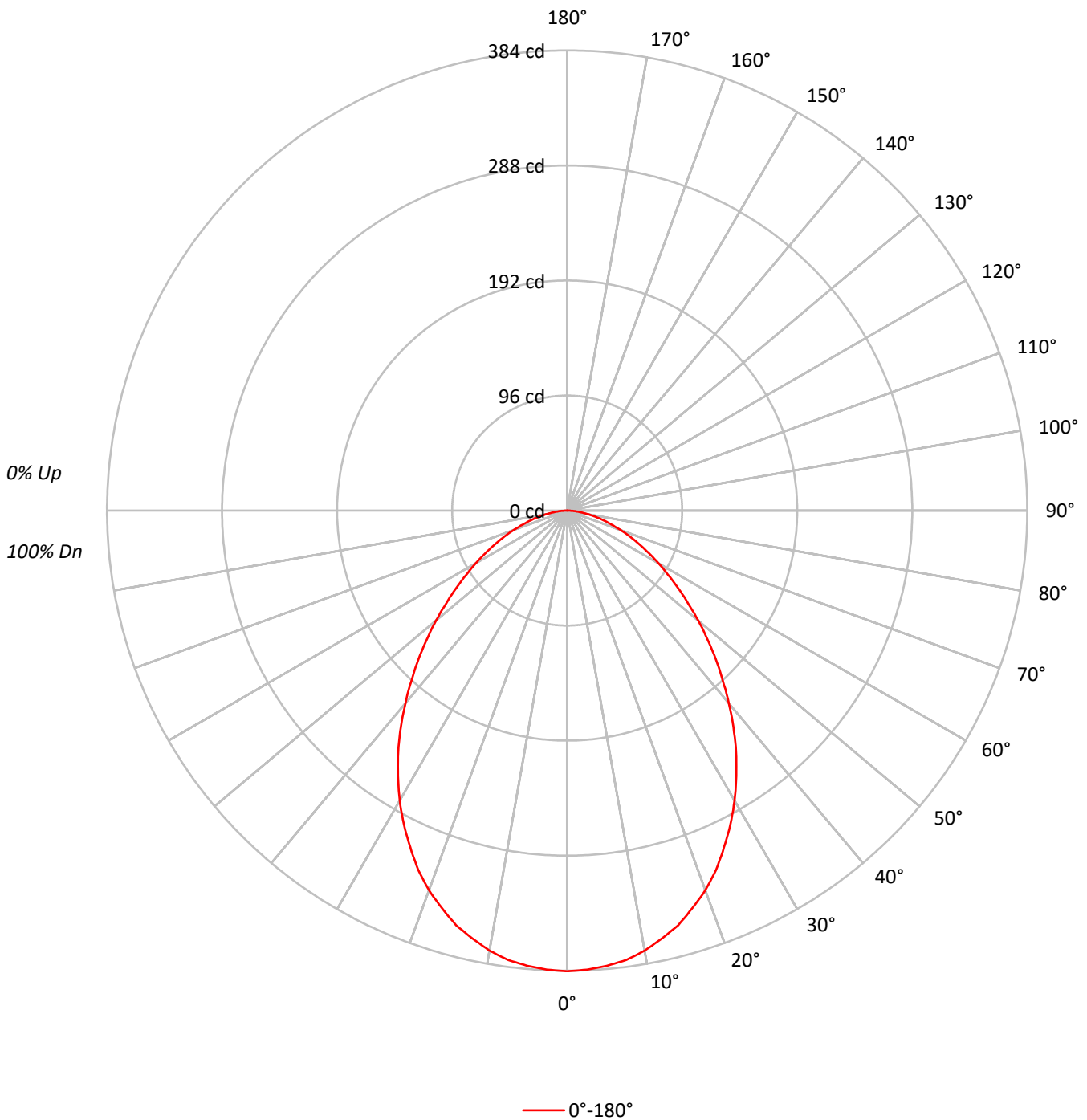
Lumens per Lamp: N/A
Luminaire Lumens: 777.7 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.18
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 8.31
Input Voltage (V): 120
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	110	106	102	99	107	104	100	97	100	97	94		96	93	91		92	90	89	87
2	101	94	88	83	99	92	87	82	89	84	80		85	82	78		83	79	76	74
3	93	84	76	71	91	82	75	70	79	74	69		77	72	68		74	70	67	64
4	86	75	67	61	84	74	67	61	72	65	60		69	64	59		67	62	58	56
5	80	68	60	54	78	67	59	53	65	58	53		63	57	52		61	56	52	50
6	74	62	54	48	72	61	53	47	59	52	47		58	51	47		56	51	46	44
7	69	57	48	43	67	56	48	42	54	47	42		53	47	42		52	46	42	40
8	65	52	44	38	63	51	44	38	50	43	38		49	43	38		48	42	38	36
9	61	48	40	35	59	47	40	35	46	40	35		45	39	35		44	39	34	33
10	57	44	37	32	56	44	37	32	43	36	32		42	36	32		41	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84313
5°	83931
10°	83031
15°	81317
20°	78687
25°	74980
30°	70745
35°	65799
40°	60141
45°	54393
50°	48749
55°	43392
60°	38681
65°	34349
70°	30326
75°	26688
80°	22604
85°	18618



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.1	4.6
10°-20°	100.6	12.9
20°-30°	142.5	18.3
30°-40°	153.2	19.7
40°-50°	135.3	17.4
50°-60°	101.8	13.1
60°-70°	66.1	8.5
70°-80°	33.5	4.3
80°-90°	8.5	1.1
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°	279.2	35.9
0°-40°	432.4	55.6
0°-60°	669.6	86.1
0°-90°	777.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	777.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	384	
5°	381	36
15°	358	101
25°	310	142
35°	246	153
45°	175	135
55°	114	102
65°	66	66
75°	32	34
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	384.5
2.5°	383.4
5°	381.3
7.5°	378.2
10°	372.9
12.5°	365.6
15°	358.2
17.5°	347.7
20°	337.2
22.5°	324.6
25°	309.9
27.5°	295.2
30°	279.4
32.5°	262.6
35°	245.8
37.5°	228.0
40°	210.1
42.5°	192.2
45°	175.4
47.5°	158.6
50°	142.9
52.5°	127.1
55°	113.5
57.5°	99.8
60°	88.2
62.5°	76.7
65°	66.2
67.5°	56.7
70°	47.3
72.5°	38.9
75°	31.5
77.5°	24.2
80°	17.9
82.5°	11.6
85°	7.4
87.5°	3.2
90°	0.0

(END OF REPORT)