

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: P239170

Luminaire Tested: **RLD6069301EWH-BB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P239170
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1803-681-4)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: RLD6069301EWH-BB
Description: 5"/6" RL Deep Baffle, 91 CRI, 3000K, Matte Black
Light Source: (12) 3000K CCT, 91 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

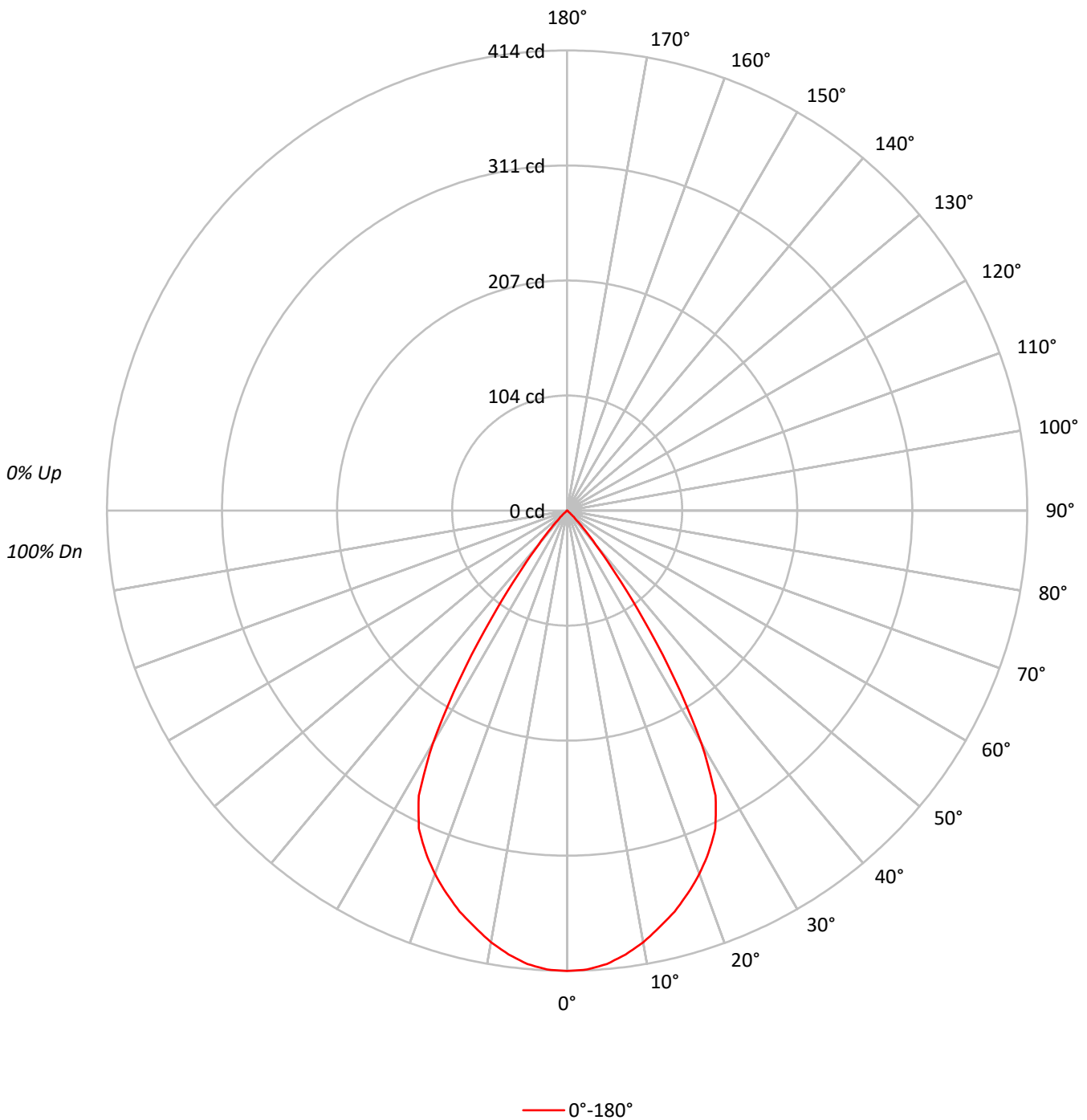
Lumens per Lamp: N/A
Luminaire Lumens: 373.9 lumens
Efficiency: N/A
Efficacy: 44.0 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 0.91
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 8.5
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	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86		91	87	85		88	86	84	82
4	98	91	86	81	96	90	85	81	88	83	80		86	82	79		84	81	78	77
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70		77	72	69		75	71	69	67
7	85	75	70	66	83	75	69	65	74	69	65		72	68	65		71	67	64	63
8	80	71	65	61	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	67	62	58	76	67	61	58	66	61	57		65	60	57		64	60	57	56
10	73	64	58	54	72	63	58	54	62	57	54		62	57	54		61	57	54	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	32697
5°	32450
10°	31607
15°	30525
20°	29226
25°	27489
30°	22032
35°	11506
40°	4101
45°	1161
50°	111
55°	124
60°	142
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	10.3
10°-20°	104.9	28.1
20°-30°	141.3	37.8
30°-40°	77.8	20.8
40°-50°	10.5	2.8
50°-60°	0.8	0.2
60°-70°	0.1	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	284.7	76.1
0°-40°	362.5	96.9
0°-60°	373.8	100.0
0°-90°	373.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	373.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	414	
5°	410	39
15°	374	105
25°	316	141
35°	119	78
45°	10	11
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	414.2
2.5°	413.3
5°	409.5
7.5°	402.8
10°	394.3
12.5°	383.9
15°	373.5
17.5°	361.1
20°	347.9
22.5°	332.7
25°	315.6
27.5°	289.1
30°	241.7
32.5°	180.1
35°	119.4
37.5°	71.1
40°	39.8
42.5°	20.9
45°	10.4
47.5°	4.7
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)