

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: P237929

Luminaire Tested: **RLD6069301EWH-WB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P237929
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1802-602-2)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: RLD6069301EWH-WB
Description: 5"/6" RL Deep Baffle, 91 CRI, 3000K, Matte White
Light Source: (12) 3000K CCT, 91 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 668.0 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.96
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

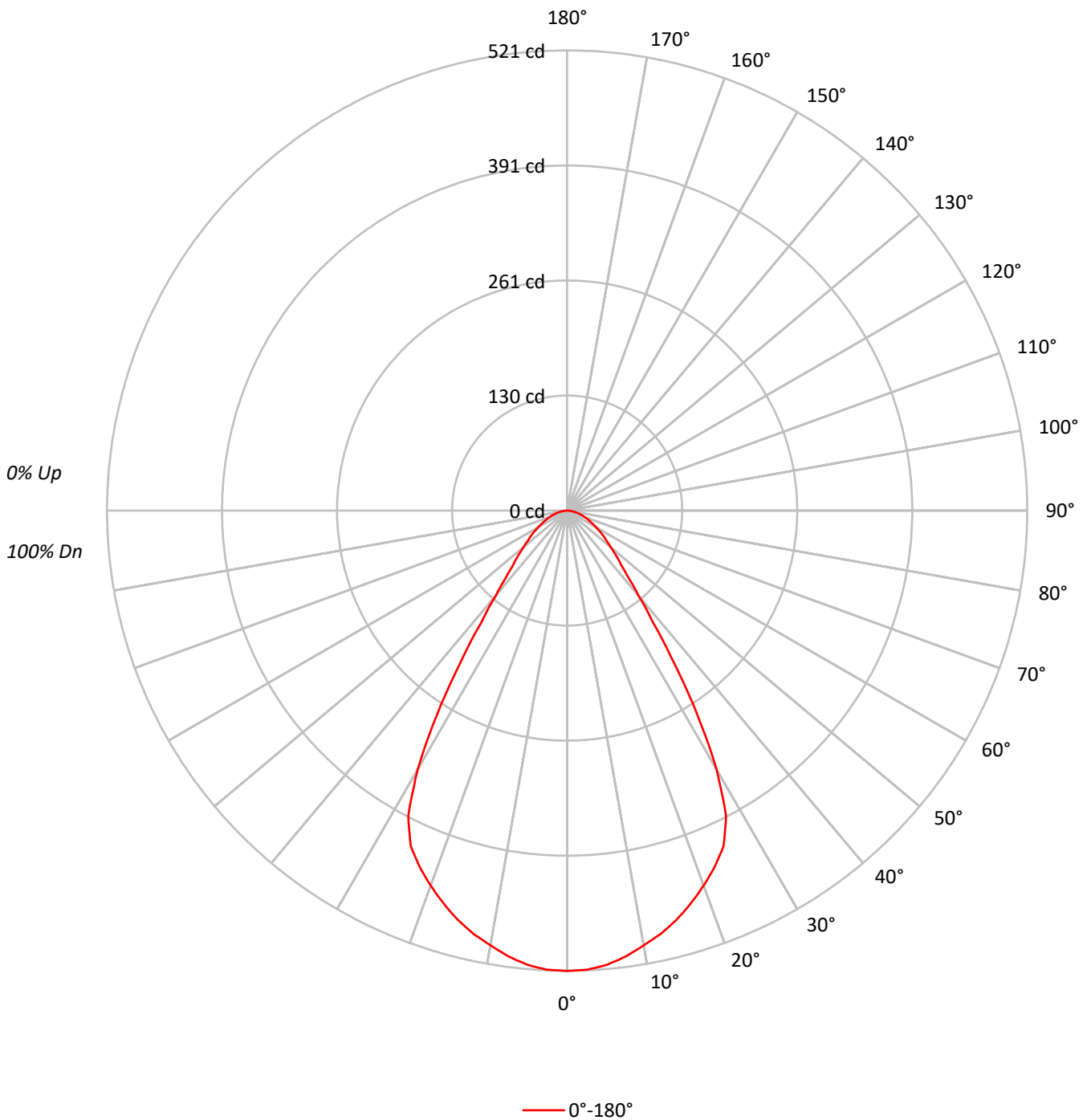
Input Watts (W): 8.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: RLD6069301EWH-WB

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	112	108	105	103	109	106	103	101	102	100	98		98	97	95		95	93	92	90
2	105	99	94	90	102	97	92	88	94	90	87		91	87	85		88	85	83	81
3	98	90	84	79	96	89	83	79	86	81	77		83	79	76		81	78	75	73
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75	71	68	66
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70	66	62	61
6	81	71	64	59	80	70	63	58	68	62	58		67	62	58		65	61	57	55
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61	56	53	51
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57	52	49	47
9	68	57	51	46	67	57	50	46	56	50	46		55	49	46		54	49	45	44
10	65	54	47	43	64	53	47	43	52	47	43		52	46	43		51	46	42	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	41152
5°	40905
10°	40071
15°	39179
20°	37954
25°	36504
30°	30837
35°	20392
40°	12953
45°	9590
50°	7909
55°	6895
60°	5968
65°	5342
70°	4708
75°	4362
80°	3728
85°	2808



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.7	7.3
10°-20°	134.8	20.2
20°-30°	188.4	28.2
30°-40°	135.4	20.3
40°-50°	68.6	10.3
50°-60°	45.0	6.7
60°-70°	28.4	4.3
70°-80°	15.1	2.3
80°-90°	3.6	0.5
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°	371.9	55.7
0°-40°	507.3	75.9
0°-60°	620.9	92.9
0°-90°	668.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	668.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	521	
5°	516	49
15°	479	135
25°	419	188
35°	212	135
45°	86	69
55°	50	45
65°	29	28
75°	14	15
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	521.3
2.5°	520.3
5°	516.2
7.5°	509.1
10°	499.9
12.5°	490.7
15°	479.4
17.5°	466.1
20°	451.8
22.5°	436.5
25°	419.1
27.5°	389.5
30°	338.3
32.5°	275.0
35°	211.6
37.5°	160.5
40°	125.7
42.5°	102.2
45°	85.9
47.5°	74.6
50°	64.4
52.5°	56.2
55°	50.1
57.5°	44.0
60°	37.8
62.5°	32.7
65°	28.6
67.5°	24.5
70°	20.4
72.5°	17.4
75°	14.3
77.5°	11.2
80°	8.2
82.5°	5.1
85°	3.1
87.5°	1.0
90°	0.0

(END OF REPORT)