

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 COMMERCIAL

Report Number: P210619

Luminaire Tested: **PR8S30D010 - PR8M34MDMB - 3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P210619
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29049)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR8S30D010 - PR8M34MDMB - 3000K
Description: HALO 8" ROUND DOWNLIGHT, MEDIUM LENS, MATTE BLACK FINISH
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2467.0 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.13
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

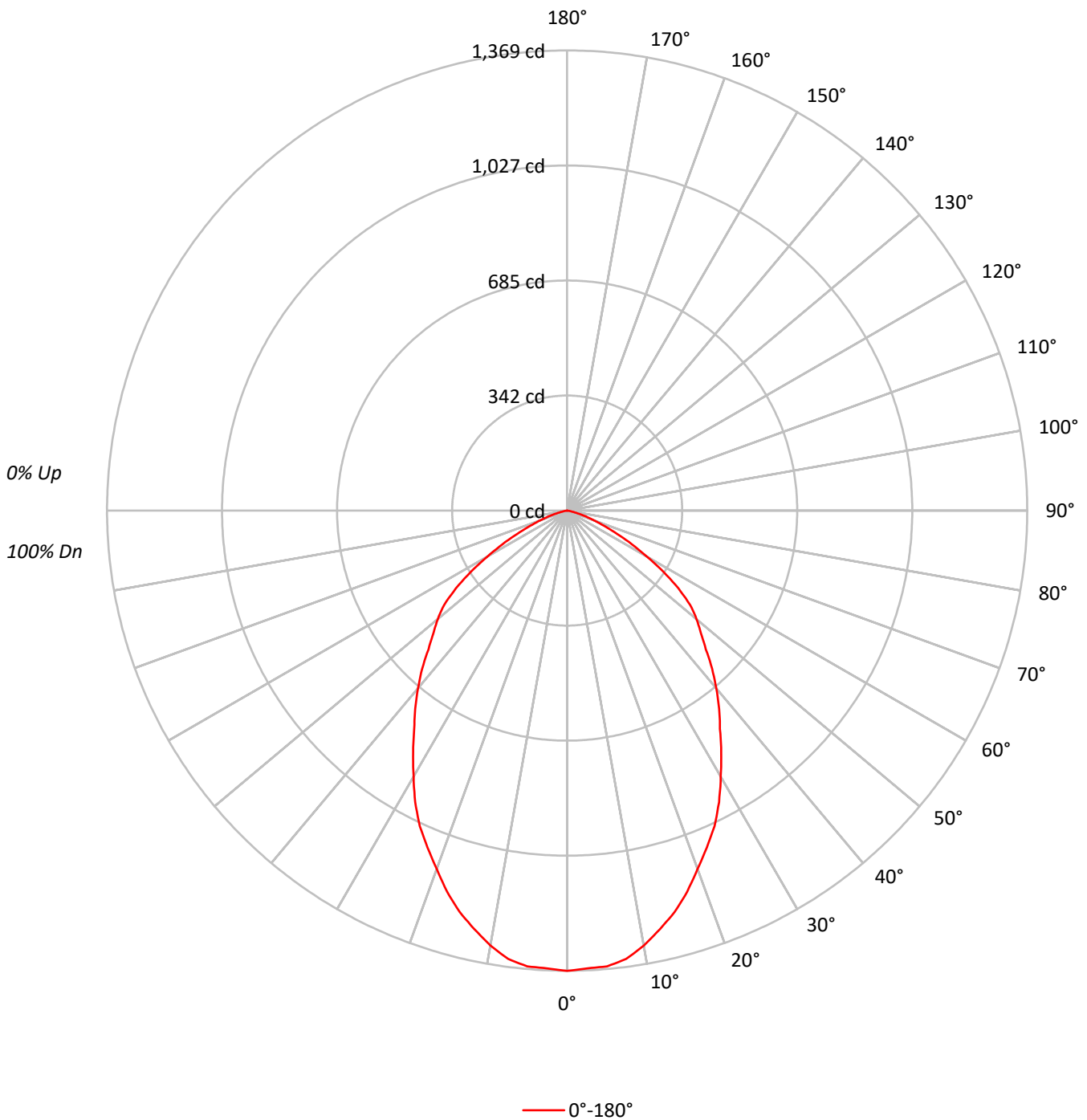
Input Watts (W): 28.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94	92	91	89
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85	82	79	77
3	95	86	79	74	93	85	78	73	82	76	72		79	75	71		77	73	70	68
4	88	78	70	64	86	76	69	64	74	68	63		72	66	62		70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56		65	60	55		64	59	55	53
6	76	64	56	50	74	63	56	50	61	55	50		60	54	49		58	53	49	47
7	71	59	51	45	69	58	50	45	56	50	45		55	49	44		54	48	44	42
8	66	54	46	41	65	53	46	41	52	45	40		51	45	40		50	44	40	38
9	62	50	42	37	61	49	42	37	48	42	37		47	41	37		46	41	37	35
10	58	46	39	34	57	46	39	34	45	38	34		44	38	34		43	38	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	42224
5°	42129
10°	41141
15°	39471
20°	37229
25°	35266
30°	32548
35°	29848
40°	27795
45°	25450
50°	24121
55°	21730
60°	16972
65°	11959
70°	7537
75°	4218
80°	1172
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	5.2
10°-20°	346.4	14.0
20°-30°	474.3	19.2
30°-40°	498.3	20.2
40°-50°	454.5	18.4
50°-60°	355.7	14.4
60°-70°	167.1	6.8
70°-80°	41.2	1.7
80°-90°	1.1	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°	949.1	38.5
0°-40°	1447.5	58.7
0°-60°	2257.7	91.5
0°-90°	2467.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2467.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1369	
5°	1361	128
15°	1236	346
25°	1036	474
35°	793	498
45°	584	454
55°	404	356
65°	164	167
75°	35	41
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1369.3
2.5°	1363.2
5°	1361.0
7.5°	1345.5
10°	1313.9
12.5°	1275.1
15°	1236.4
17.5°	1188.2
20°	1134.5
22.5°	1085.2
25°	1036.5
27.5°	978.4
30°	914.1
32.5°	852.7
35°	792.9
37.5°	742.5
40°	690.5
42.5°	638.4
45°	583.6
47.5°	539.3
50°	502.8
52.5°	461.2
55°	404.2
57.5°	340.5
60°	275.2
62.5°	216.5
65°	163.9
67.5°	118.5
70°	83.6
72.5°	57.0
75°	35.4
77.5°	19.4
80°	6.6
82.5°	0.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)