

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: P303314

Luminaire Tested: **PR6FS24D010 PR6M24MD9FSMW 4000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS24D010 PR6M24MD9FSMW 4000Lm3000K
Description: PR6 MEDIUM LENS WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3836.7 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.25
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

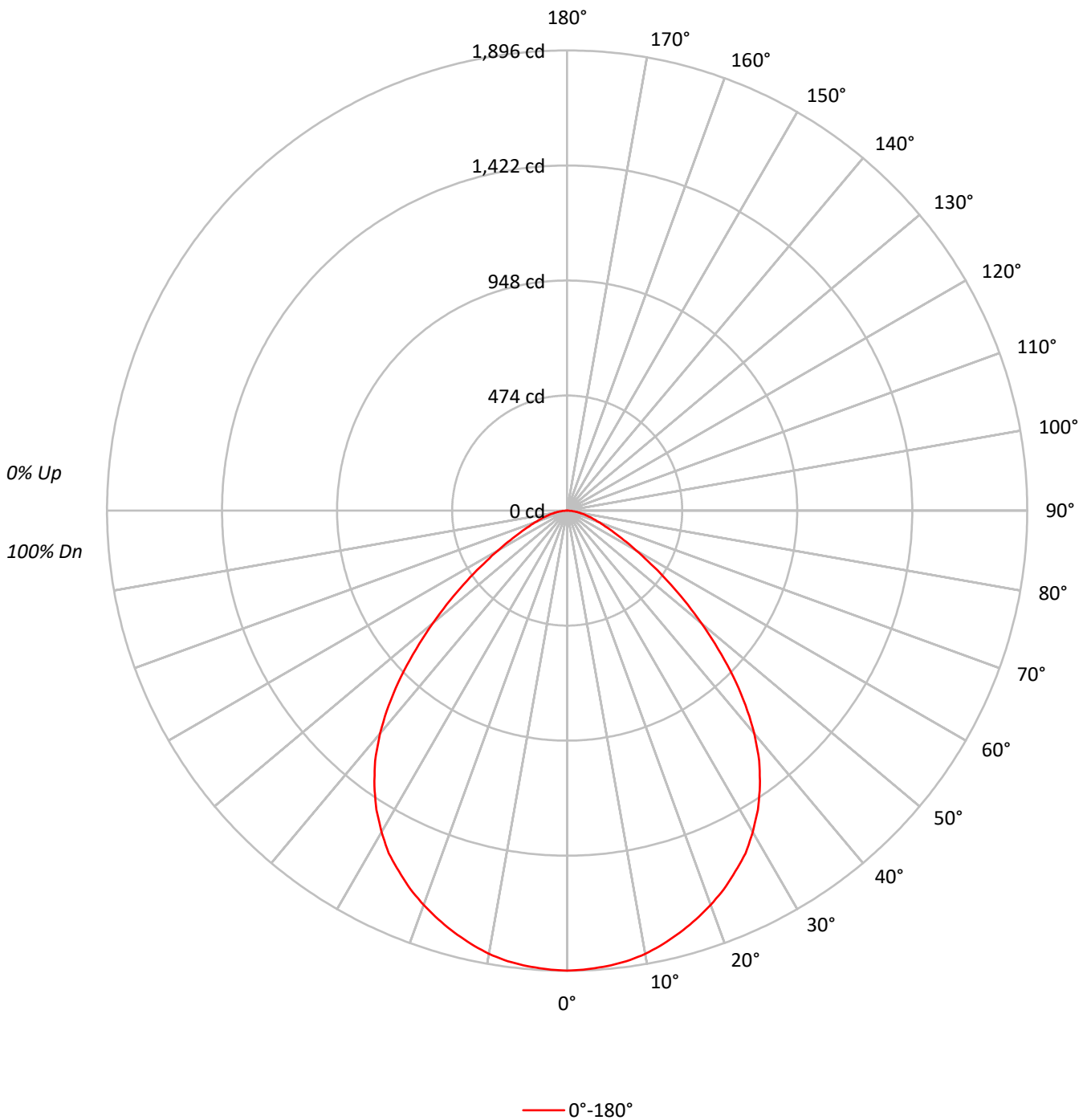
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	74	71	77	73	69	67
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	41	37	47	41	37	46	40	36	35
10	58	46	39	34	57	46	38	34	45	38	34	44	38	33	43	37	33	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	123664
5°	123409
10°	122875
15°	121528
20°	120033
25°	118063
30°	115185
35°	110275
40°	102156
45°	89496
50°	73270
55°	57270
60°	42994
65°	32573
70°	26133
75°	22409
80°	19462
85°	13848



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.0	4.7
10°-20°	507.4	13.2
20°-30°	755.2	19.7
30°-40°	861.4	22.5
40°-50°	742.9	19.4
50°-60°	455.0	11.9
60°-70°	216.5	5.6
70°-80°	96.1	2.5
80°-90°	23.1	0.6
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°	1441.6	37.6
0°-40°	2303.0	60.0
0°-60°	3500.9	91.2
0°-90°	3836.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3836.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1896	
5°	1884	179
15°	1799	507
25°	1640	755
35°	1385	861
45°	970	743
55°	504	455
65°	211	217
75°	89	96
85°	18	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1895.5
2.5°	1891.8
5°	1884.4
7.5°	1873.3
10°	1854.8
12.5°	1828.9
15°	1799.3
17.5°	1765.9
20°	1728.9
22.5°	1688.2
25°	1640.1
27.5°	1591.9
30°	1529.0
32.5°	1462.4
35°	1384.6
37.5°	1299.5
40°	1199.5
42.5°	1088.4
45°	970.0
47.5°	844.1
50°	721.9
52.5°	607.2
55°	503.5
57.5°	407.2
60°	329.5
62.5°	262.9
65°	211.0
67.5°	170.3
70°	137.0
72.5°	111.1
75°	88.9
77.5°	70.3
80°	51.8
82.5°	37.0
85°	18.5
87.5°	3.7
90°	0.0

(END OF REPORT)