

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: P303344

Luminaire Tested: **PR6FS24D010 PR6M24MD9FSMMS 4000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303344
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS24D010 PR6M24MD9FSMMS 4000Lm3000K
Description: PR6 MEDIUM LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3582.5 lumens
Efficiency: N/A
Efficacy: 79.6 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

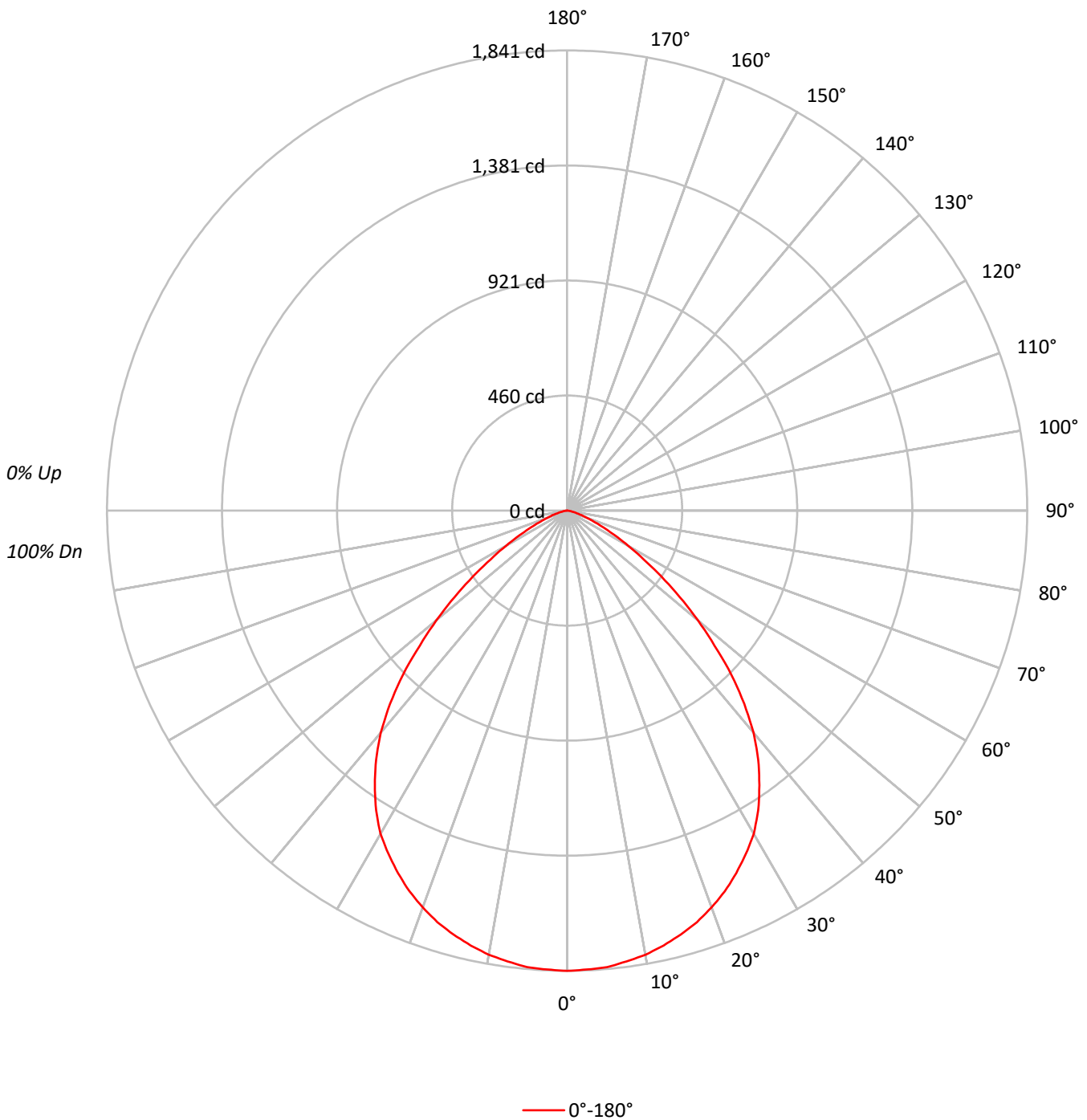
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	96	87	81	75	94	86	80	75	83	78	74	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	45	41	40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	120128
5°	120102
10°	119523
15°	118611
20°	117291
25°	115212
30°	112473
35°	106811
40°	98758
45°	85796
50°	69190
55°	52254
60°	36744
65°	24592
70°	15546
75°	9327
80°	5560
85°	2770



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.0	4.9
10°-20°	495.2	13.8
20°-30°	736.6	20.6
30°-40°	835.5	23.3
40°-50°	711.1	19.8
50°-60°	416.2	11.6
60°-70°	165.1	4.6
70°-80°	43.8	1.2
80°-90°	5.0	0.1
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°	1405.8	39.2
0°-40°	2241.3	62.6
0°-60°	3368.6	94.0
0°-90°	3582.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3582.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1841	
5°	1834	174
15°	1756	495
25°	1600	737
35°	1341	835
45°	930	711
55°	459	416
65°	159	165
75°	37	44
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1841.3
2.5°	1837.6
5°	1833.9
7.5°	1819.1
10°	1804.2
12.5°	1782.0
15°	1756.1
17.5°	1726.4
20°	1689.4
22.5°	1648.6
25°	1600.5
27.5°	1548.6
30°	1493.0
32.5°	1422.6
35°	1341.1
37.5°	1255.9
40°	1159.6
42.5°	1048.5
45°	929.9
47.5°	800.2
50°	681.7
52.5°	566.8
55°	459.4
57.5°	363.1
60°	281.6
62.5°	214.9
65°	159.3
67.5°	114.8
70°	81.5
72.5°	59.3
75°	37.0
77.5°	22.2
80°	14.8
82.5°	7.4
85°	3.7
87.5°	0.0
90°	0.0

(END OF REPORT)