

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: P303341

Luminaire Tested: **PR6FS24D010 PR6M24MD8FSMMS 4000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303341
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 PR6M24MD8FSMMS 4000Lm3000K
Description: PR6 MEDIUM LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3764.3 lumens
Efficiency: N/A
Efficacy: 83.7 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

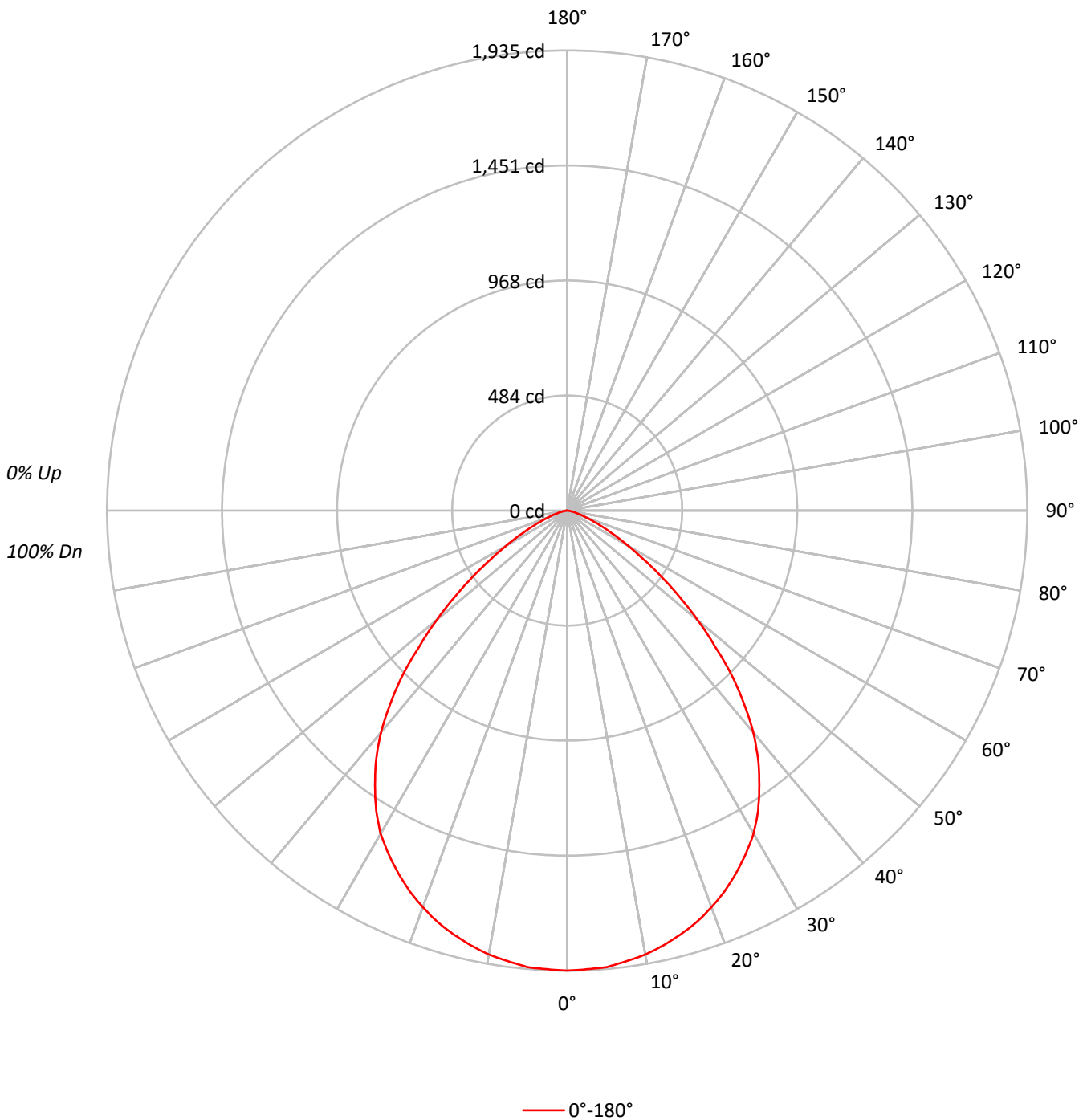
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	126215
5°	126192
10°	125585
15°	124622
20°	123234
25°	121050
30°	118175
35°	112227
40°	103766
45°	90151
50°	72692
55°	54904
60°	38596
65°	25842
70°	16328
75°	9806
80°	5861
85°	2919



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.8	4.9
10°-20°	520.3	13.8
20°-30°	774.0	20.6
30°-40°	877.9	23.3
40°-50°	747.1	19.8
50°-60°	437.3	11.6
60°-70°	173.5	4.6
70°-80°	46.1	1.2
80°-90°	5.3	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°	1477.1	39.2
0°-40°	2355.0	62.6
0°-60°	3539.4	94.0
0°-90°	3764.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3764.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1935	
5°	1927	183
15°	1845	520
25°	1682	774
35°	1409	878
45°	977	747
55°	483	437
65°	167	174
75°	39	46
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1934.6
2.5°	1930.7
5°	1926.9
7.5°	1911.3
10°	1895.7
12.5°	1872.4
15°	1845.1
17.5°	1814.0
20°	1775.0
22.5°	1732.2
25°	1681.6
27.5°	1627.1
30°	1568.7
32.5°	1494.8
35°	1409.1
37.5°	1319.6
40°	1218.4
42.5°	1101.6
45°	977.1
47.5°	840.8
50°	716.2
52.5°	595.6
55°	482.7
57.5°	381.5
60°	295.8
62.5°	225.8
65°	167.4
67.5°	120.7
70°	85.6
72.5°	62.3
75°	38.9
77.5°	23.4
80°	15.6
82.5°	7.8
85°	3.9
87.5°	0.0
90°	0.0

(END OF REPORT)