

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: P303431

Luminaire Tested: **PR6FS24D010 PR6M24WD8FSMMS 4000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303431
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS24D010 PR6M24WD8FSMMS 4000Lm3000K
Description: PR6 WIDE 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: 3734.7 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.27
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

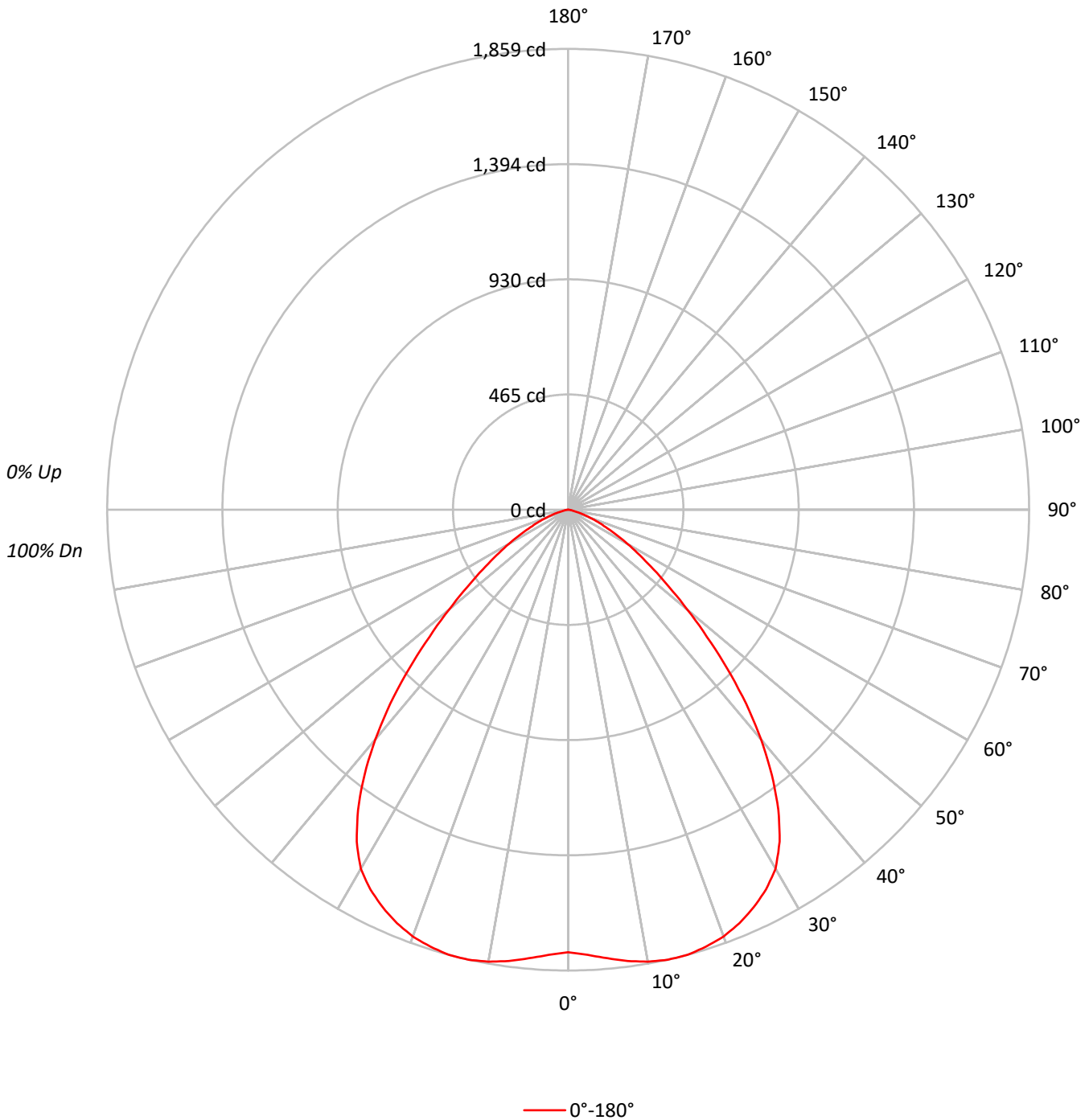
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90
2	104	97	92	87	101	95	91	86	92	88	85	89	86	83	86	83	81	79
3	96	88	81	76	94	86	80	75	83	78	74	81	77	73	78	75	72	70
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	47	56	50	46	45
8	68	56	48	43	66	55	48	43	54	47	43	53	47	42	51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	39	48	42	38	37
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	116487
5°	118969
10°	122663
15°	125588
20°	127205
25°	127414
30°	126010
35°	117730
40°	103033
45°	83628
50°	63567
55°	47784
60°	36039
65°	25827
70°	17816
75°	9806
80°	4396
85°	2919



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.5	4.7
10°-20°	524.7	14.0
20°-30°	814.2	21.8
30°-40°	914.0	24.5
40°-50°	699.5	18.7
50°-60°	384.4	10.3
60°-70°	172.1	4.6
70°-80°	46.5	1.2
80°-90°	4.8	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°	1513.4	40.5
0°-40°	2427.4	65.0
0°-60°	3511.3	94.0
0°-90°	3734.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3734.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1786	
5°	1817	175
15°	1859	525
25°	1770	814
35°	1478	914
45°	906	699
55°	420	384
65°	167	172
75°	39	46
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1785.5
2.5°	1797.2
5°	1816.6
7.5°	1836.1
10°	1851.6
12.5°	1859.4
15°	1859.4
17.5°	1847.8
20°	1832.2
22.5°	1805.0
25°	1770.0
27.5°	1727.2
30°	1672.7
32.5°	1587.1
35°	1478.2
37.5°	1349.8
40°	1209.8
42.5°	1062.0
45°	906.4
47.5°	758.6
50°	626.3
52.5°	513.5
55°	420.1
57.5°	342.3
60°	276.2
62.5°	217.8
65°	167.3
67.5°	128.4
70°	93.4
72.5°	62.2
75°	38.9
77.5°	23.3
80°	11.7
82.5°	7.8
85°	3.9
87.5°	0.0
90°	0.0

(END OF REPORT)