

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: P303436

Luminaire Tested: **PR6FS24D010 PR6M24WD9FSMMS 4000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303436
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 PR6M24WD9FSMMS 4000Lm4000K
Description: PR6 WIDE LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3472.3 lumens
Efficiency: N/A
Efficacy: 77.2 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

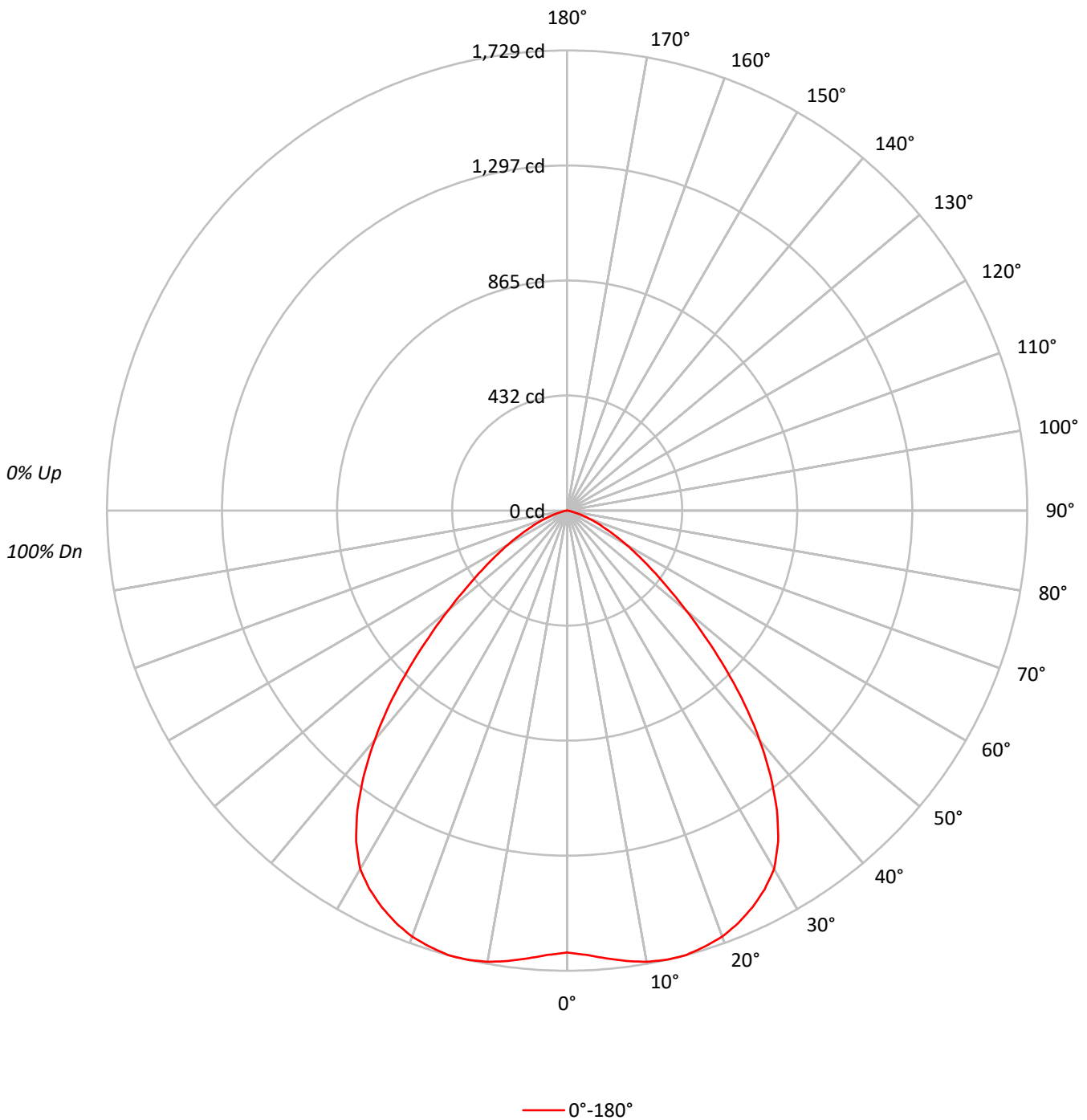
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	108306
5°	110612
10°	114044
15°	116767
20°	118270
25°	118459
30°	117158
35°	109455
40°	95794
45°	77751
50°	59101
55°	44428
60°	33508
65°	24005
70°	16557
75°	9125
80°	4095
85°	2695



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.2	4.7
10°-20°	487.8	14.0
20°-30°	757.0	21.8
30°-40°	849.8	24.5
40°-50°	650.3	18.7
50°-60°	357.4	10.3
60°-70°	160.0	4.6
70°-80°	43.3	1.2
80°-90°	4.4	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°	1407.1	40.5
0°-40°	2256.9	65.0
0°-60°	3264.6	94.0
0°-90°	3472.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3472.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1660	
5°	1689	162
15°	1729	488
25°	1646	757
35°	1374	850
45°	843	650
55°	391	357
65°	156	160
75°	36	43
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1660.1
2.5°	1670.9
5°	1689.0
7.5°	1707.1
10°	1721.5
12.5°	1728.8
15°	1728.8
17.5°	1717.9
20°	1703.5
22.5°	1678.1
25°	1645.6
27.5°	1605.8
30°	1555.2
32.5°	1475.6
35°	1374.3
37.5°	1255.0
40°	1124.8
42.5°	987.4
45°	842.7
47.5°	705.3
50°	582.3
52.5°	477.4
55°	390.6
57.5°	318.3
60°	256.8
62.5°	202.5
65°	155.5
67.5°	119.4
70°	86.8
72.5°	57.9
75°	36.2
77.5°	21.7
80°	10.9
82.5°	7.2
85°	3.6
87.5°	0.0
90°	0.0

(END OF REPORT)