

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: P303434

Luminaire Tested: **PR6FS24D010 PR6M24WD9FSMMS 4000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303434
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 4000Lm3000K
Description: PR6 WIDE 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: 3554.4 lumens
Efficiency: N/A
Efficacy: 79.0 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

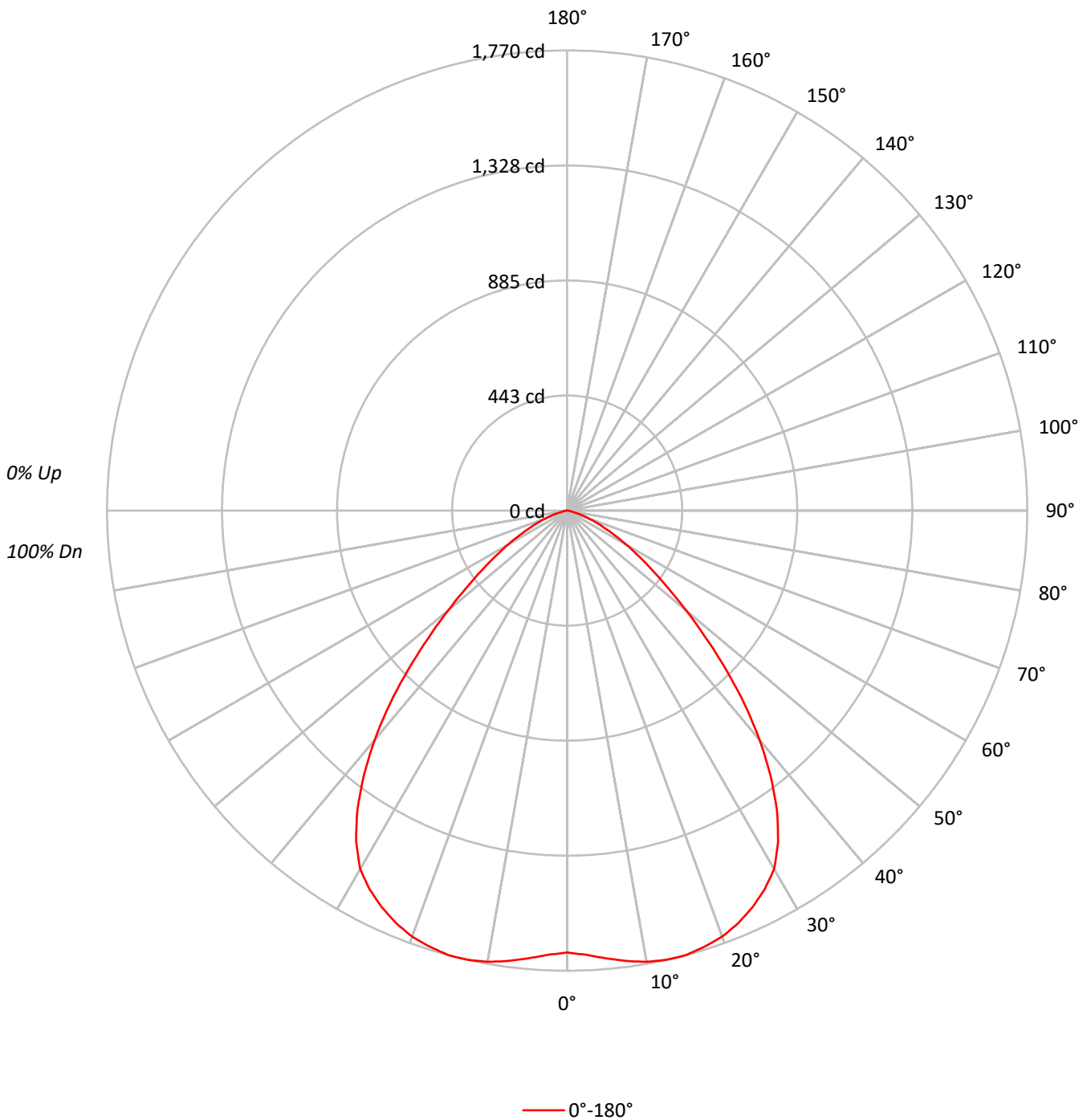
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90					90			
2	104	97	92	87	101	95	91	86	92	88	85	89	86	83	86	83	81	79					79			
3	96	88	81	76	94	86	80	75	83	78	74	81	77	73	78	75	72	70					70			
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64	62					62			
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55					55			
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49					49			
7	72	60	53	47	71	60	52	47	58	52	47	57	51	47	56	50	46	45					45			
8	68	56	48	43	66	55	48	43	54	47	43	53	47	42	51	46	42	40					40			
9	63	51	44	39	62	51	44	39	50	43	39	49	43	39	48	42	38	37					37			
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34					34			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	110870
5°	113232
10°	116747
15°	119529
20°	121068
25°	121266
30°	119931
35°	112051
40°	98060
45°	79587
50°	60502
55°	45475
60°	34304
65°	24576
70°	16958
75°	9327
80°	4170
85°	2770



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.1	4.7
10°-20°	499.4	14.0
20°-30°	774.9	21.8
30°-40°	869.9	24.5
40°-50°	665.7	18.7
50°-60°	365.9	10.3
60°-70°	163.8	4.6
70°-80°	44.2	1.2
80°-90°	4.5	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°	1440.4	40.5
0°-40°	2310.3	65.0
0°-60°	3341.9	94.0
0°-90°	3554.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3554.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1699	
5°	1729	166
15°	1770	499
25°	1685	775
35°	1407	870
45°	863	666
55°	400	366
65°	159	164
75°	37	44
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1699.4
2.5°	1710.5
5°	1729.0
7.5°	1747.5
10°	1762.3
12.5°	1769.7
15°	1769.7
17.5°	1758.6
20°	1743.8
22.5°	1717.9
25°	1684.6
27.5°	1643.8
30°	1592.0
32.5°	1510.5
35°	1406.9
37.5°	1284.7
40°	1151.4
42.5°	1010.7
45°	862.6
47.5°	722.0
50°	596.1
52.5°	488.7
55°	399.8
57.5°	325.8
60°	262.9
62.5°	207.3
65°	159.2
67.5°	122.2
70°	88.9
72.5°	59.2
75°	37.0
77.5°	22.2
80°	11.1
82.5°	7.4
85°	3.7
87.5°	0.0
90°	0.0

(END OF REPORT)