

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: P303316

Luminaire Tested: **PR6FS24D010 PR6M24MD9FSMW 4000Lm4000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303316  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-1)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS24D010 PR6M24MD9FSMW 4000Lm4000K  
Description: PR6 MEDIUM LENS WITH, MATTE WHITE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3747.9 lumens  
Efficiency: N/A  
Efficacy: 83.3 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

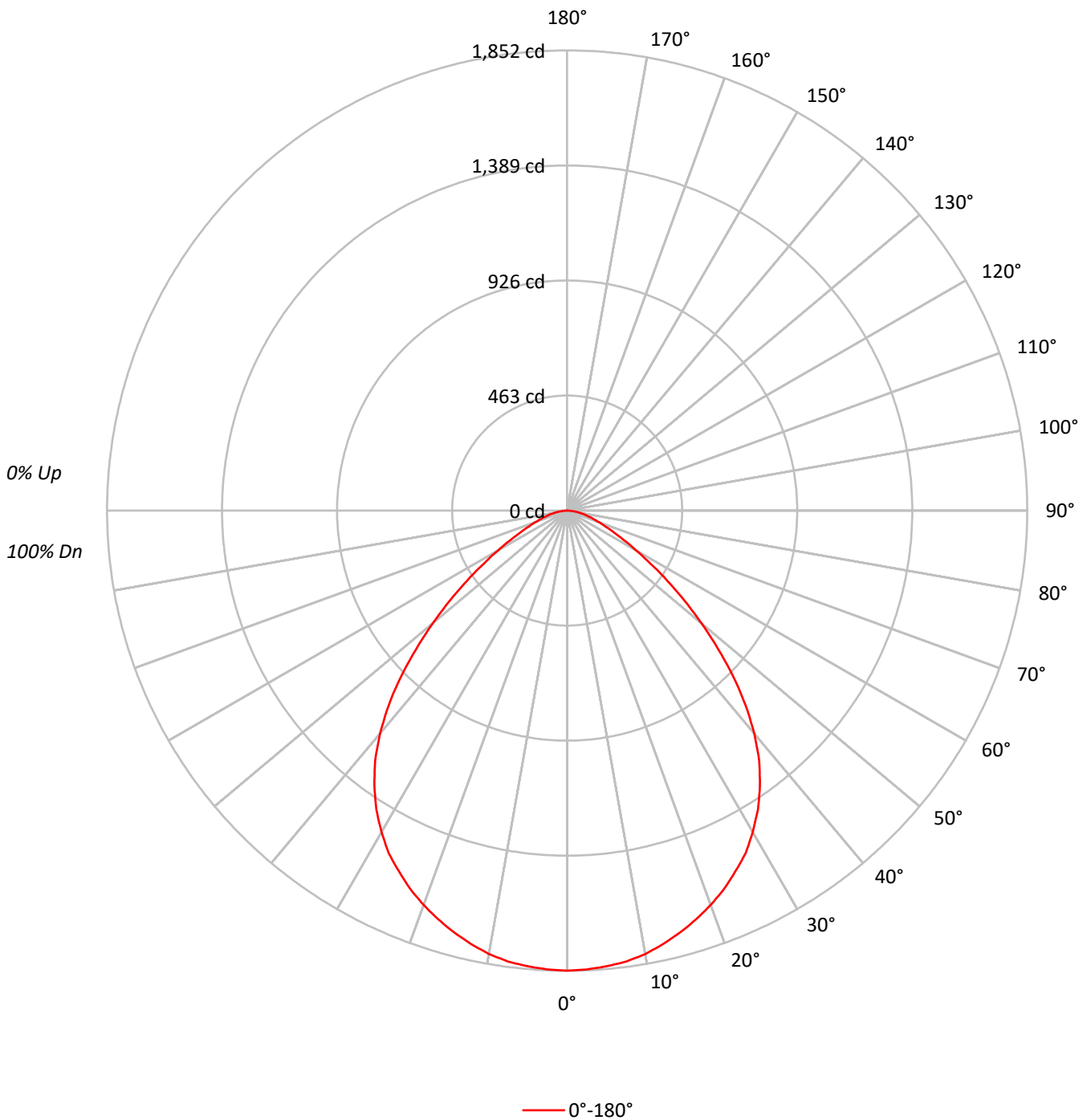
Input Watts (W): 45  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	104	101	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83		87	84	81		85	82	79	77
3	95	86	79	74	93	85	78	73	82	76	72		79	74	71		77	73	69	67
4	88	78	70	64	86	76	69	64	74	68	63		72	66	62		70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56		65	60	55		64	59	55	53
6	76	64	56	50	74	63	56	50	61	55	50		60	54	49		58	53	49	47
7	71	59	51	45	69	58	50	45	56	50	45		55	49	44		54	48	44	42
8	66	54	46	41	65	53	46	41	52	45	40		51	45	40		50	44	40	38
9	62	50	42	37	61	49	42	37	48	41	37		47	41	37		46	40	36	35
10	58	46	39	34	57	46	38	34	45	38	34		44	38	33		43	37	33	32

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	120806
5°	120554
10°	120033
15°	118712
20°	117256
25°	115327
30°	112518
35°	107727
40°	99797
45°	87420
50°	71575
55°	55950
60°	42002
65°	31816
70°	25522
75°	21880
80°	19011
85°	13549



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.8	4.7
10°-20°	495.7	13.2
20°-30°	737.7	19.7
30°-40°	841.5	22.5
40°-50°	725.7	19.4
50°-60°	444.4	11.9
60°-70°	211.5	5.6
70°-80°	93.9	2.5
80°-90°	22.6	0.6
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°	1408.2	37.6
0°-40°	2249.7	60.0
0°-60°	3419.9	91.2
0°-90°	3747.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3747.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1852	
5°	1841	175
15°	1758	496
25°	1602	738
35°	1353	842
45°	948	726
55°	492	444
65°	206	212
75°	87	94
85°	18	23
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1851.7
2.5°	1848.1
5°	1840.8
7.5°	1830.0
10°	1811.9
12.5°	1786.6
15°	1757.6
17.5°	1725.1
20°	1688.9
22.5°	1649.1
25°	1602.1
27.5°	1555.1
30°	1493.6
32.5°	1428.5
35°	1352.6
37.5°	1269.4
40°	1171.8
42.5°	1063.3
45°	947.5
47.5°	824.6
50°	705.2
52.5°	593.1
55°	491.9
57.5°	397.8
60°	321.9
62.5°	256.8
65°	206.1
67.5°	166.4
70°	133.8
72.5°	108.5
75°	86.8
77.5°	68.7
80°	50.6
82.5°	36.2
85°	18.1
87.5°	3.6
90°	0.0

(END OF REPORT)