

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: P303464

Luminaire Tested: **PR6FS24D010 PR6M24WD9FSBZ 4000Lm3000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303464  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-6)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS24D010 PR6M24WD9FSBZ 4000Lm3000K  
Description: PR6 WIDE LENS WITH, BRONZE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3340.0 lumens  
Efficiency: N/A  
Efficacy: 74.2 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.26  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

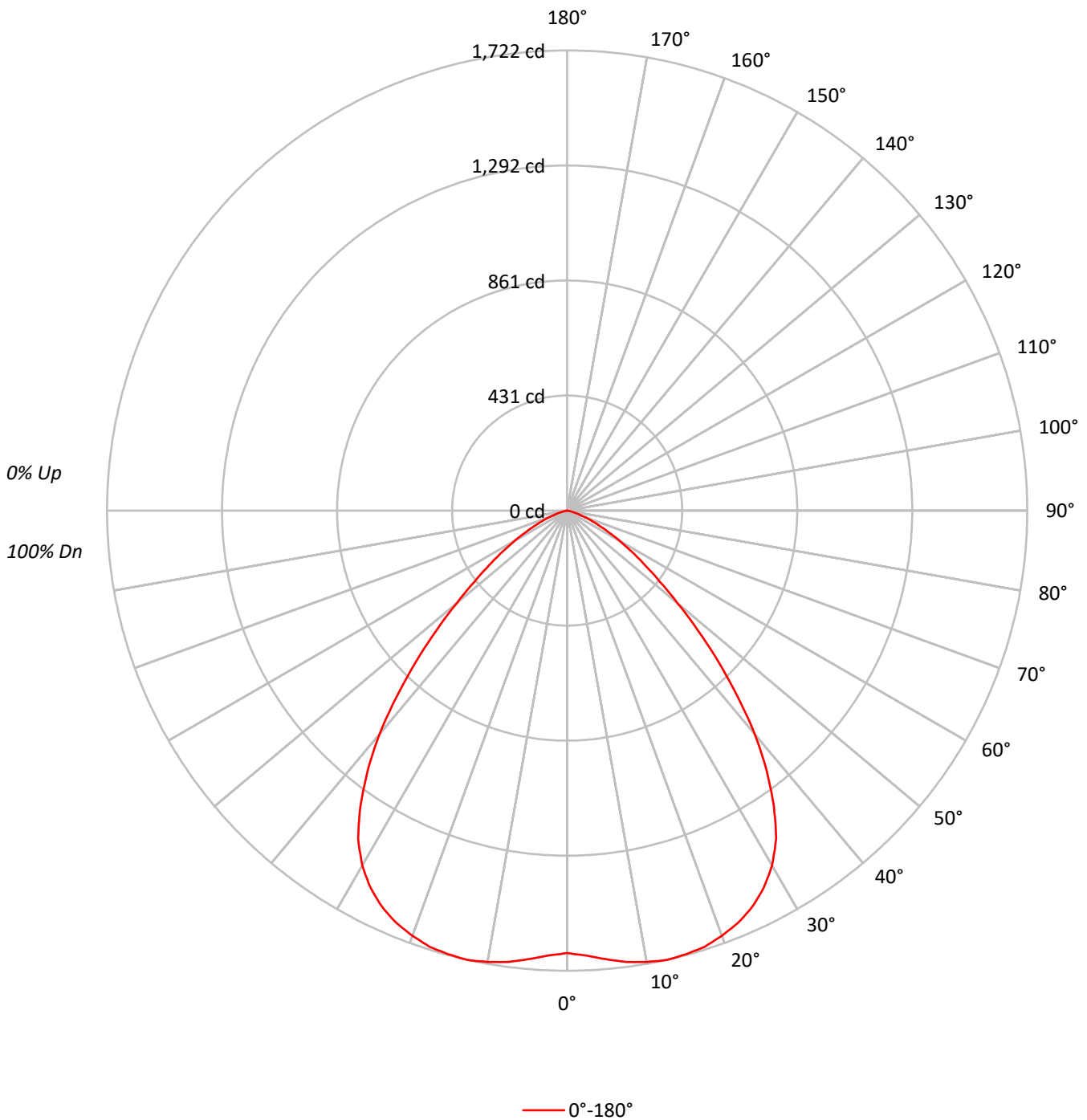
Input Watts (W): 45  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71
4	90	80	73	68	88	79	72	67	77	71	66	75	70	66	73	68	65	63
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	78	67	59	54	76	66	59	53	64	58	53	63	57	53	61	56	52	50
7	73	61	54	48	71	61	53	48	59	53	48	58	52	48	56	51	47	46
8	68	56	49	44	67	56	49	44	55	48	43	53	48	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	39	38
10	60	48	41	37	59	48	41	37	47	41	36	46	40	36	45	40	36	35

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

	0°
0°	108025
5°	110377
10°	113620
15°	116091
20°	117534
25°	117861
30°	115531
35°	107392
40°	93069
45°	73821
50°	54889
55°	40447
60°	29489
65°	20007
70°	12723
75°	5596
80°	1390
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.9	4.8
10°-20°	485.6	14.5
20°-30°	751.6	22.5
30°-40°	833.7	25.0
40°-50°	618.4	18.5
50°-60°	325.1	9.7
60°-70°	134.6	4.0
70°-80°	28.6	0.9
80°-90°	0.5	0.0
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°	1399.1	41.9
0°-40°	2232.8	66.8
0°-60°	3176.3	95.1
0°-90°	3340.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3340.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1656	
5°	1685	162
15°	1719	486
25°	1637	752
35°	1348	834
45°	800	618
55°	356	325
65°	130	135
75°	22	29
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1655.8
2.5°	1666.9
5°	1685.4
7.5°	1704.0
10°	1715.1
12.5°	1722.5
15°	1718.8
17.5°	1711.4
20°	1692.9
22.5°	1670.6
25°	1637.3
27.5°	1592.8
30°	1533.6
32.5°	1455.8
35°	1348.4
37.5°	1226.1
40°	1092.8
42.5°	944.6
45°	800.1
47.5°	663.1
50°	540.8
52.5°	437.1
55°	355.6
57.5°	285.2
60°	226.0
62.5°	174.1
65°	129.6
67.5°	96.3
70°	66.7
72.5°	44.5
75°	22.2
77.5°	7.4
80°	3.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)