

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: P303371

Luminaire Tested: **PR6FS24D010 PR6M24MD8FSBZ 4000Lm3000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303371  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-3)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS24D010 PR6M24MD8FSBZ 4000Lm3000K  
Description: PR6 MEDIUM LENS WITH, BRONZE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3544.0 lumens  
Efficiency: N/A  
Efficacy: 78.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.24  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

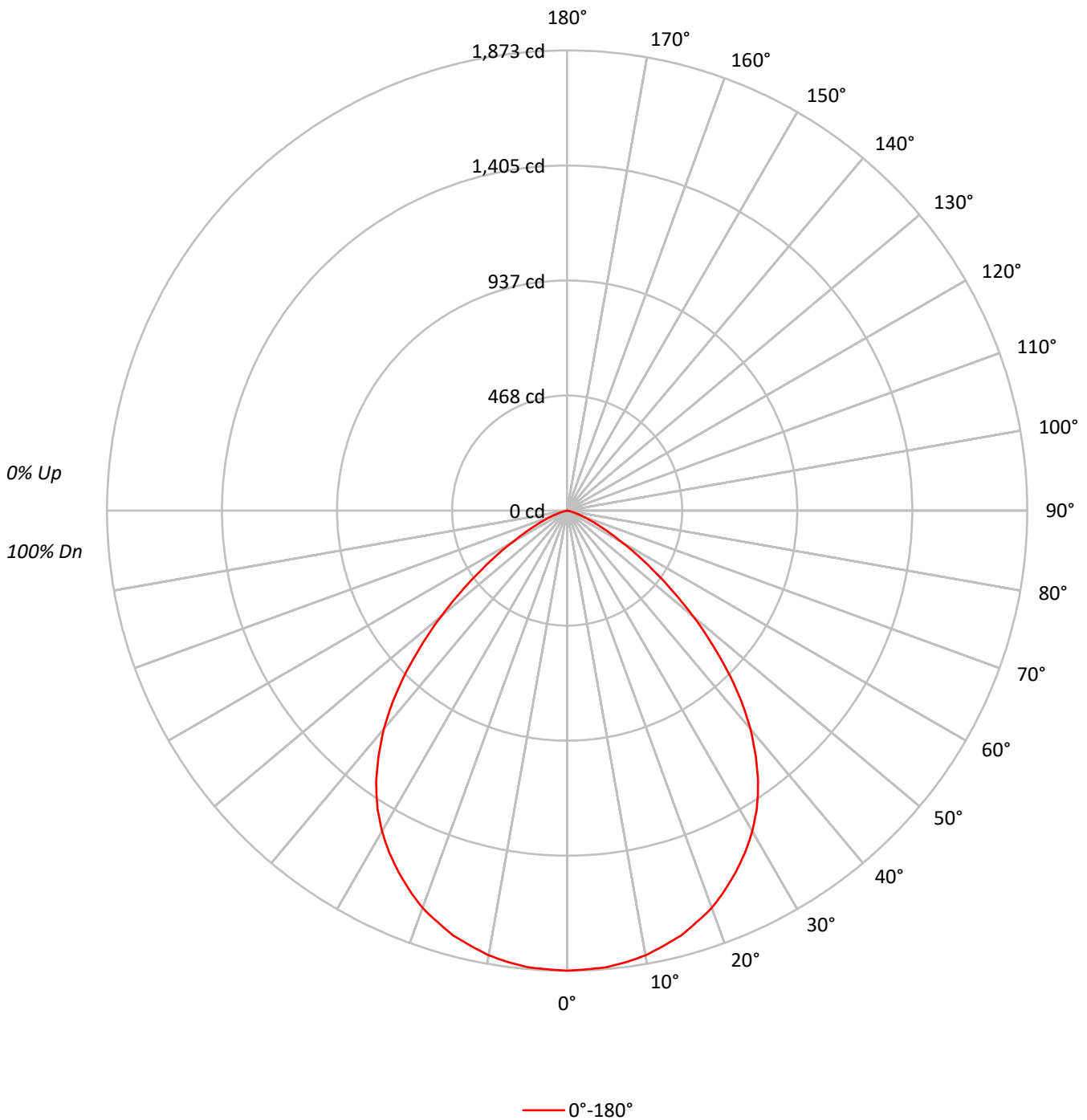
Input Watts (W): 45  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	97	98	96	94	95	93	92	90
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	88	82	76	94	87	81	76	84	79	74	81	77	73	79	75	72	70
4	90	80	73	67	88	78	72	67	76	70	66	74	69	65	72	68	64	62
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	46	45
8	68	56	48	43	66	55	48	43	54	47	43	53	47	42	52	46	42	41
9	64	52	44	39	62	51	44	39	50	43	39	49	43	39	48	43	39	37
10	60	48	41	36	59	47	40	36	46	40	36	45	40	35	45	39	35	34

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

	0°
0°	122189
5°	122145
10°	121755
15°	120975
20°	119492
25°	116882
30°	113520
35°	107918
40°	98826
45°	85141
50°	67972
55°	49604
60°	33534
65°	21041
70°	11884
75°	4915
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.1	5.0
10°-20°	504.4	14.2
20°-30°	747.1	21.1
30°-40°	841.8	23.8
40°-50°	707.2	20.0
50°-60°	398.2	11.2
60°-70°	142.8	4.0
70°-80°	25.5	0.7
80°-90°	0.0	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°	1428.6	40.3
0°-40°	2270.4	64.1
0°-60°	3375.7	95.3
0°-90°	3544.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3544.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1873	
5°	1865	177
15°	1791	504
25°	1624	747
35°	1355	842
45°	923	707
55°	436	398
65°	136	143
75°	20	26
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1872.9
2.5°	1869.0
5°	1865.1
7.5°	1853.4
10°	1837.9
12.5°	1814.5
15°	1791.1
17.5°	1756.1
20°	1721.1
22.5°	1674.3
25°	1623.7
27.5°	1569.2
30°	1506.9
32.5°	1436.8
35°	1355.0
37.5°	1261.6
40°	1160.4
42.5°	1047.4
45°	922.8
47.5°	794.3
50°	669.7
52.5°	549.0
55°	436.1
57.5°	342.7
60°	257.0
62.5°	190.8
65°	136.3
67.5°	93.5
70°	62.3
72.5°	38.9
75°	19.5
77.5°	7.8
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)