

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: P303375

Luminaire Tested: **PR6FS24D010 PR6M24MD9FSBZ 4000Lm3500K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303375  
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 PR6M24MD9FSBZ 4000Lm3500K  
Description: PR6 MEDIUM LENS WITH, BRONZE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3654.0 lumens  
Efficiency: N/A  
Efficacy: 93.7 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

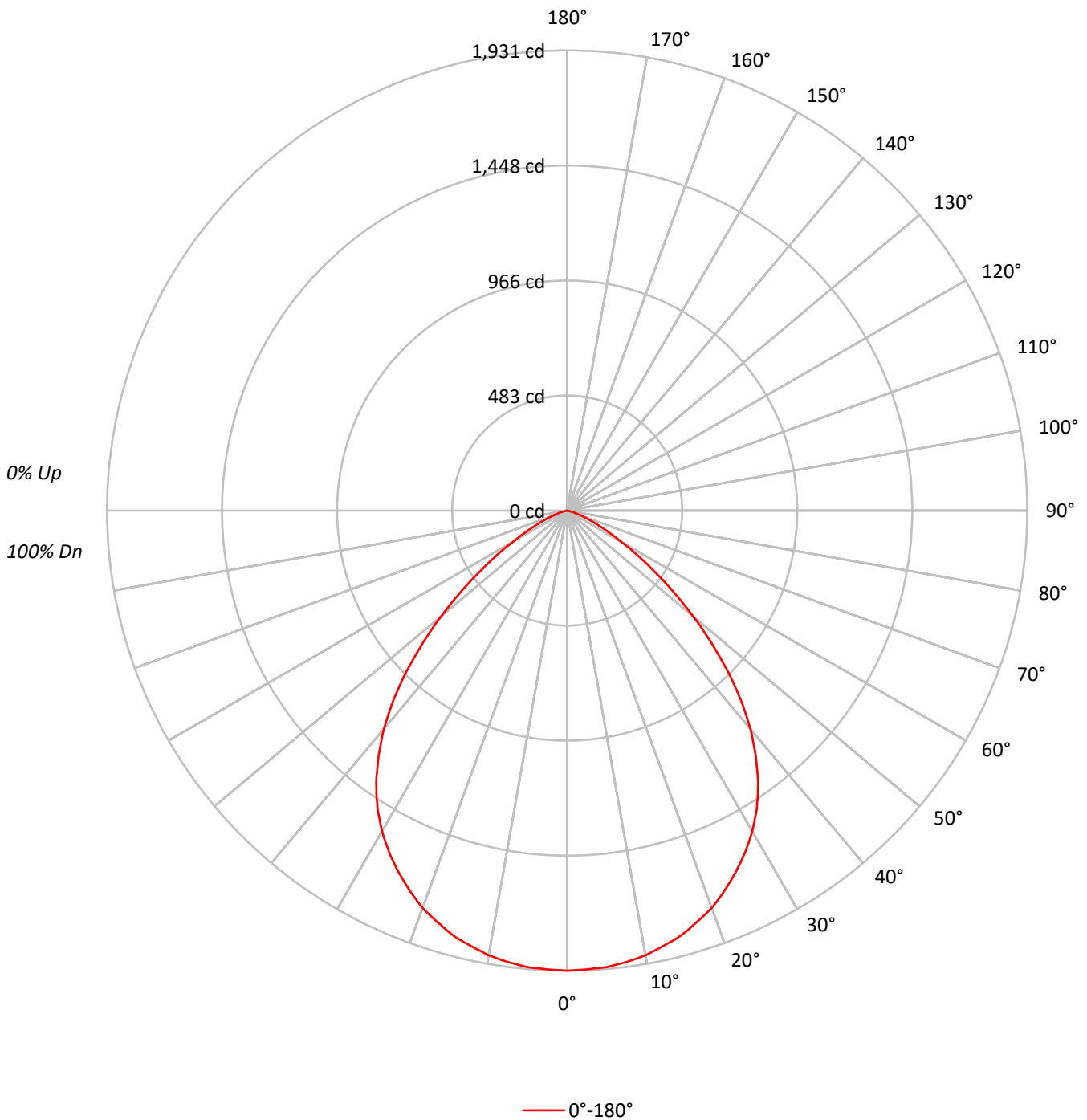
Input Watts (W): 39  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	36	45	39	35	34

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

	0°
0°	125980
5°	125937
10°	125532
15°	124730
20°	123199
25°	120510
30°	117045
35°	111271
40°	101892
45°	87789
50°	70083
55°	51139
60°	34578
65°	21689
70°	12246
75°	5067
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.6	5.0
10°-20°	520.0	14.2
20°-30°	770.3	21.1
30°-40°	867.9	23.8
40°-50°	729.1	20.0
50°-60°	410.6	11.2
60°-70°	147.2	4.0
70°-80°	26.3	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°	1473.0	40.3
0°-40°	2340.9	64.1
0°-60°	3480.5	95.3
0°-90°	3654.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3654.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1931	
5°	1923	183
15°	1847	520
25°	1674	770
35°	1397	868
45°	952	729
55°	450	411
65°	140	147
75°	20	26
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1931.0
2.5°	1927.0
5°	1923.0
7.5°	1911.0
10°	1894.9
12.5°	1870.8
15°	1846.7
17.5°	1810.6
20°	1774.5
22.5°	1726.3
25°	1674.1
27.5°	1617.9
30°	1553.7
32.5°	1481.4
35°	1397.1
37.5°	1300.7
40°	1196.4
42.5°	1079.9
45°	951.5
47.5°	819.0
50°	690.5
52.5°	566.1
55°	449.6
57.5°	353.3
60°	265.0
62.5°	196.7
65°	140.5
67.5°	96.4
70°	64.2
72.5°	40.1
75°	20.1
77.5°	8.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)