

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: P303331

Luminaire Tested: **PR6FS24D010 PR6M24MD8FSMMS 2000Lm4000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303331  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS24D010 PR6M24MD8FSMMS 2000Lm4000K  
Description: PR6 MEDIUM LENS WITH, MATTE METALLIC SILVER FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2397.6 lumens  
Efficiency: N/A  
Efficacy: 109.0 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

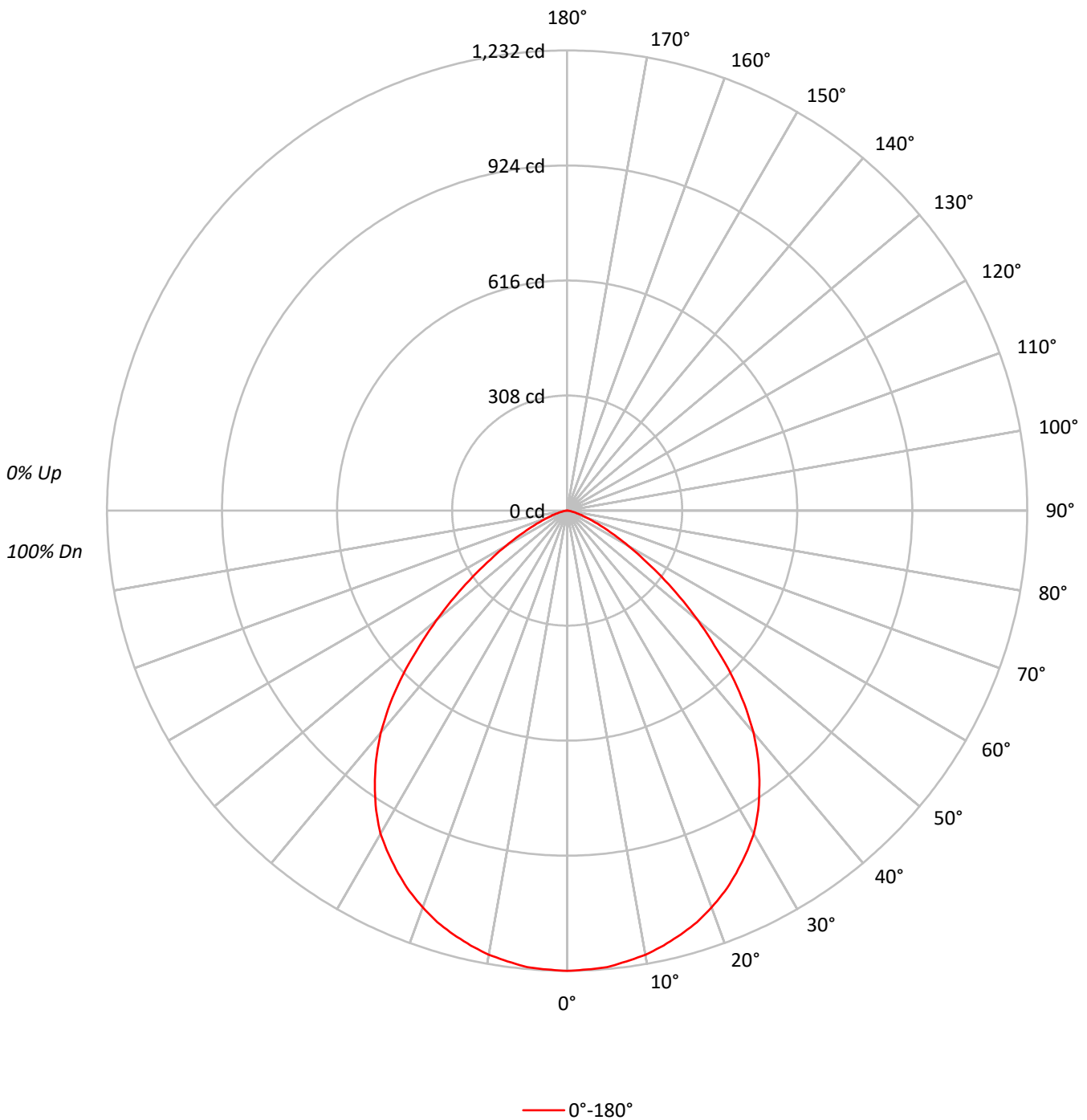
Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	96	87	81	75	94	86	80	75	83	78	74	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	45	41	40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33

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

	0°
0°	80396
5°	80376
10°	79993
15°	79375
20°	78495
25°	77103
30°	75273
35°	71481
40°	66088
45°	57416
50°	46303
55°	34965
60°	24583
65°	16456
70°	10396
75°	6251
80°	3719
85°	1871



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.4	4.9
10°-20°	331.4	13.8
20°-30°	493.0	20.6
30°-40°	559.1	23.3
40°-50°	475.9	19.8
50°-60°	278.5	11.6
60°-70°	110.5	4.6
70°-80°	29.3	1.2
80°-90°	3.4	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°	940.8	39.2
0°-40°	1500.0	62.6
0°-60°	2254.4	94.0
0°-90°	2397.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2397.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1232	
5°	1227	116
15°	1175	331
25°	1071	493
35°	898	559
45°	622	476
55°	307	278
65°	107	111
75°	25	29
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1232.3
2.5°	1229.8
5°	1227.3
7.5°	1217.4
10°	1207.5
12.5°	1192.6
15°	1175.2
17.5°	1155.4
20°	1130.6
22.5°	1103.3
25°	1071.1
27.5°	1036.4
30°	999.2
32.5°	952.1
35°	897.5
37.5°	840.5
40°	776.0
42.5°	701.7
45°	622.3
47.5°	535.5
50°	456.2
52.5°	379.3
55°	307.4
57.5°	243.0
60°	188.4
62.5°	143.8
65°	106.6
67.5°	76.9
70°	54.5
72.5°	39.7
75°	24.8
77.5°	14.9
80°	9.9
82.5°	5.0
85°	2.5
87.5°	0.0
90°	0.0

(END OF REPORT)