

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: P303637

Luminaire Tested: **PR6FS12D010 PR6M12WD9FSMMS 2000Lm4000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303637  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS12D010 PR6M12WD9FSMMS 2000Lm4000K  
Description: PR6 WIDE LENS WITH, MATTE METALLIC SILVER FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1879.6 lumens  
Efficiency: N/A  
Efficacy: 85.4 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.27  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

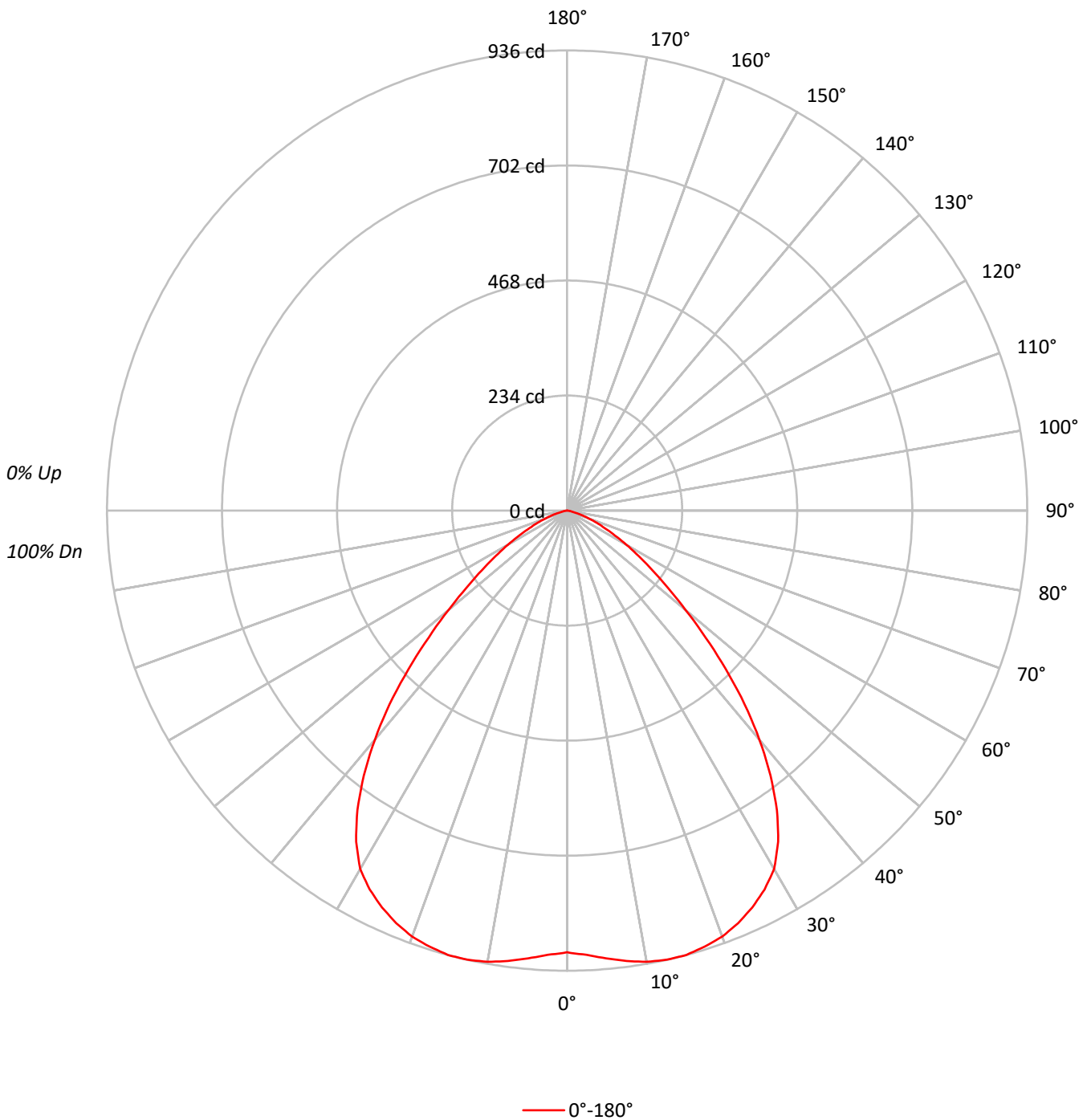
Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90
2	104	97	92	87	101	95	91	86	92	88	85	89	86	83	86	83	81	79
3	96	88	81	76	94	86	80	75	83	78	74	81	77	73	78	75	72	70
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	47	56	50	46	45
8	68	56	48	43	66	55	48	43	54	47	43	53	47	42	51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	39	48	42	38	37
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34

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

	0°
0°	58625
5°	59877
10°	61736
15°	63206
20°	64019
25°	64124
30°	63423
35°	59255
40°	51857
45°	42091
50°	31992
55°	24045
60°	18137
65°	12998
70°	8965
75°	4941
80°	2217
85°	1497



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.8	4.7
10°-20°	264.1	14.0
20°-30°	409.8	21.8
30°-40°	460.0	24.5
40°-50°	352.0	18.7
50°-60°	193.5	10.3
60°-70°	86.6	4.6
70°-80°	23.4	1.2
80°-90°	2.4	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°	761.7	40.5
0°-40°	1221.7	65.0
0°-60°	1767.2	94.0
0°-90°	1879.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1879.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	899	
5°	914	88
15°	936	264
25°	891	410
35°	744	460
45°	456	352
55°	211	193
65°	84	87
75°	20	23
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	898.6
2.5°	904.5
5°	914.3
7.5°	924.1
10°	931.9
12.5°	935.8
15°	935.8
17.5°	930.0
20°	922.1
22.5°	908.4
25°	890.8
27.5°	869.3
30°	841.9
32.5°	798.8
35°	744.0
37.5°	679.4
40°	608.9
42.5°	534.5
45°	456.2
47.5°	381.8
50°	315.2
52.5°	258.4
55°	211.4
57.5°	172.3
60°	139.0
62.5°	109.6
65°	84.2
67.5°	64.6
70°	47.0
72.5°	31.3
75°	19.6
77.5°	11.7
80°	5.9
82.5°	3.9
85°	2.0
87.5°	0.0
90°	0.0

(END OF REPORT)