

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: P303635

Luminaire Tested: **PR6FS12D010 PR6M12WD9FSMMS 2000Lm3000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303635  
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 2000Lm3000K  
Description: PR6 WIDE LENS WITH, MATTE METALLIC SILVER FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1924.1 lumens  
Efficiency: N/A  
Efficacy: 87.5 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

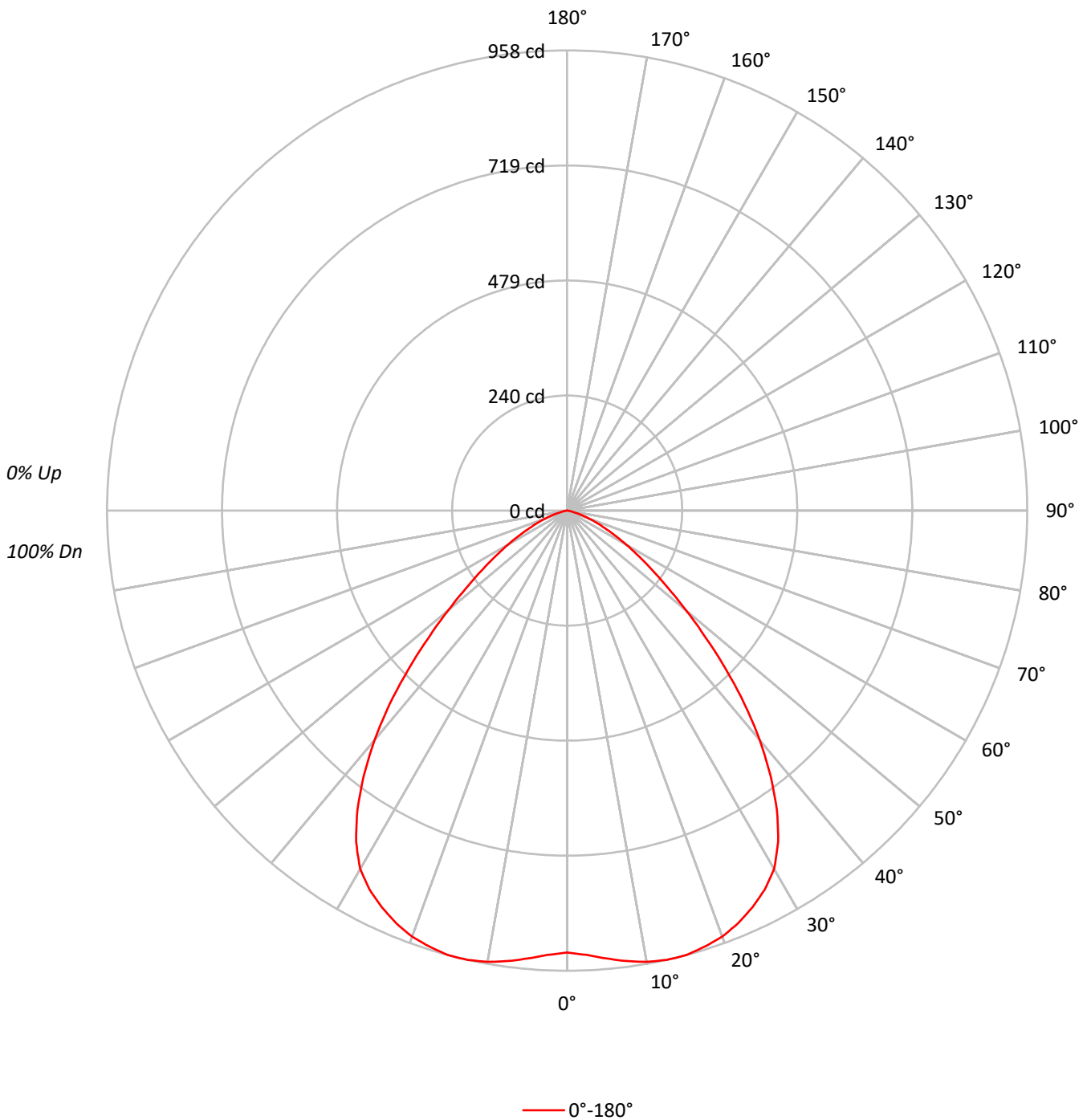
Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	60015
5°	61292
10°	63200
15°	64705
20°	65540
25°	65643
30°	64922
35°	60657
40°	53084
45°	43087
50°	32753
55°	24614
60°	18567
65°	13307
70°	9175
75°	5041
80°	2254
85°	1497



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.9	4.7
10°-20°	270.3	14.1
20°-30°	419.5	21.8
30°-40°	470.9	24.5
40°-50°	360.4	18.7
50°-60°	198.0	10.3
60°-70°	88.7	4.6
70°-80°	23.9	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°	779.7	40.5
0°-40°	1250.6	65.0
0°-60°	1809.0	94.0
0°-90°	1924.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1924.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	920	
5°	936	90
15°	958	270
25°	912	419
35°	762	471
45°	467	360
55°	216	198
65°	86	89
75°	20	24
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	919.9
2.5°	925.9
5°	935.9
7.5°	946.0
10°	954.0
12.5°	958.0
15°	958.0
17.5°	952.0
20°	944.0
22.5°	929.9
25°	911.9
27.5°	889.8
30°	861.8
32.5°	817.7
35°	761.6
37.5°	695.4
40°	623.3
42.5°	547.1
45°	467.0
47.5°	390.8
50°	322.7
52.5°	264.5
55°	216.4
57.5°	176.4
60°	142.3
62.5°	112.2
65°	86.2
67.5°	66.1
70°	48.1
72.5°	32.1
75°	20.0
77.5°	12.0
80°	6.0
82.5°	4.0
85°	2.0
87.5°	0.0
90°	0.0

(END OF REPORT)