

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: P303323

Luminaire Tested: **PR6FS12D010 PR6M12MD8FSMMS 1500Lm3000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303323  
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: PR6FS12D010 PR6M12MD8FSMMS 1500Lm3000K  
Description: PR6 MEDIUM LENS WITH, MATTE METALLIC SILVER FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1435.9 lumens  
Efficiency: N/A  
Efficacy: 103.3 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

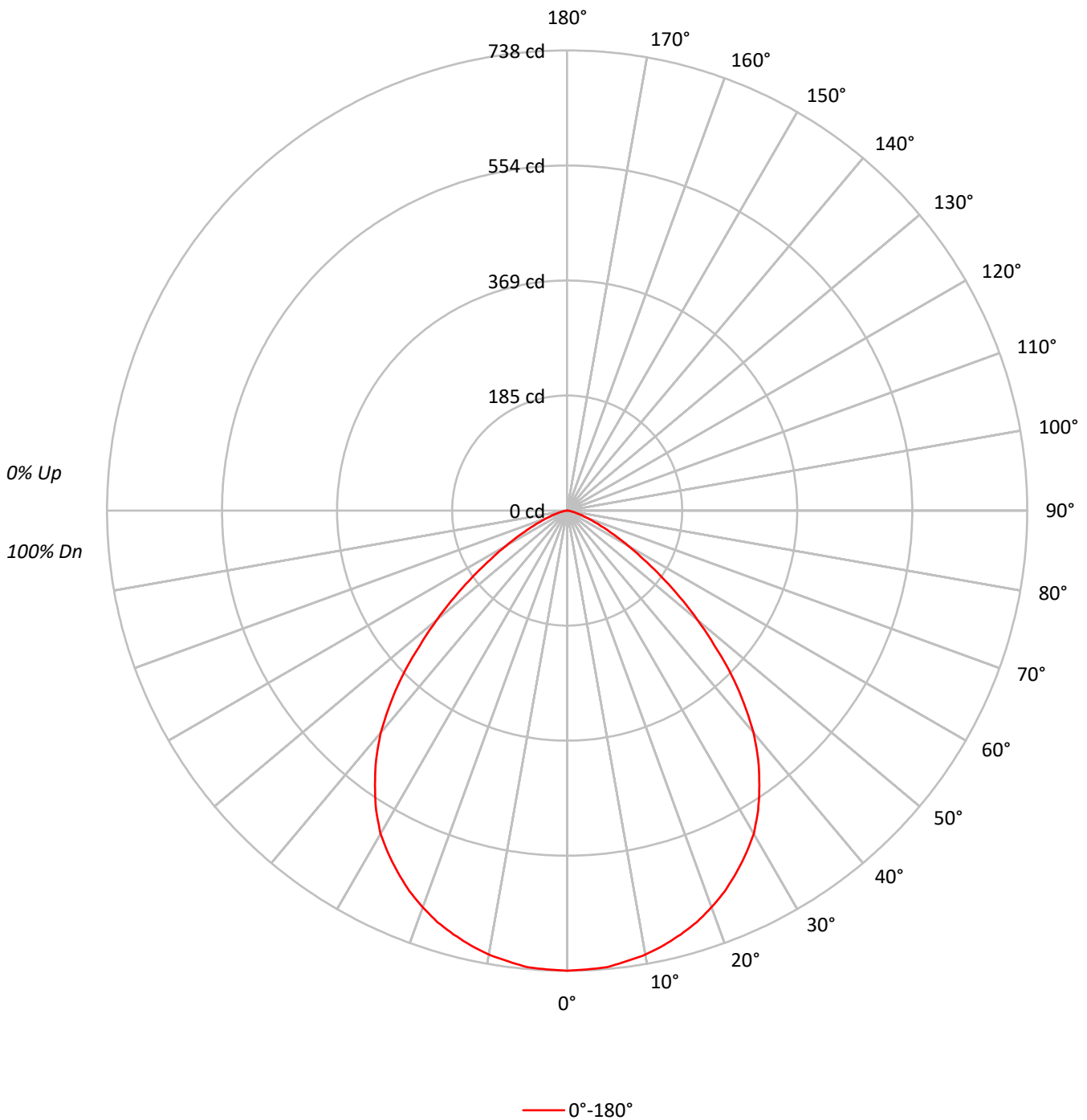
Input Watts (W): 13.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	48148
5°	48135
10°	47903
15°	47536
20°	47009
25°	46178
30°	45079
35°	42809
40°	39585
45°	34387
50°	27729
55°	20940
60°	14731
65°	9849
70°	6238
75°	3731
80°	2217
85°	1123



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.7	4.9
10°-20°	198.5	13.8
20°-30°	295.2	20.6
30°-40°	334.9	23.3
40°-50°	285.0	19.8
50°-60°	166.8	11.6
60°-70°	66.2	4.6
70°-80°	17.6	1.2
80°-90°	2.0	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°	563.5	39.2
0°-40°	898.3	62.6
0°-60°	1350.1	94.0
0°-90°	1435.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1435.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	738	
5°	735	70
15°	704	198
25°	642	295
35°	538	335
45°	373	285
55°	184	167
65°	64	66
75°	15	18
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	738.0
2.5°	736.5
5°	735.0
7.5°	729.1
10°	723.1
12.5°	714.2
15°	703.8
17.5°	692.0
20°	677.1
22.5°	660.8
25°	641.5
27.5°	620.7
30°	598.4
32.5°	570.2
35°	537.5
37.5°	503.4
40°	464.8
42.5°	420.2
45°	372.7
47.5°	320.7
50°	273.2
52.5°	227.2
55°	184.1
57.5°	145.5
60°	112.9
62.5°	86.1
65°	63.8
67.5°	46.0
70°	32.7
72.5°	23.8
75°	14.8
77.5°	8.9
80°	5.9
82.5°	3.0
85°	1.5
87.5°	0.0
90°	0.0

(END OF REPORT)