

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: P303287

Luminaire Tested: **PR6FS12D010 PR6M12MD8FSMW 1000Lm3000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303287  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-1)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS12D010 PR6M12MD8FSMW 1000Lm3000K  
Description: PR6 MEDIUM LENS WITH, MATTE WHITE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1201.2 lumens  
Efficiency: N/A  
Efficacy: 115.5 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

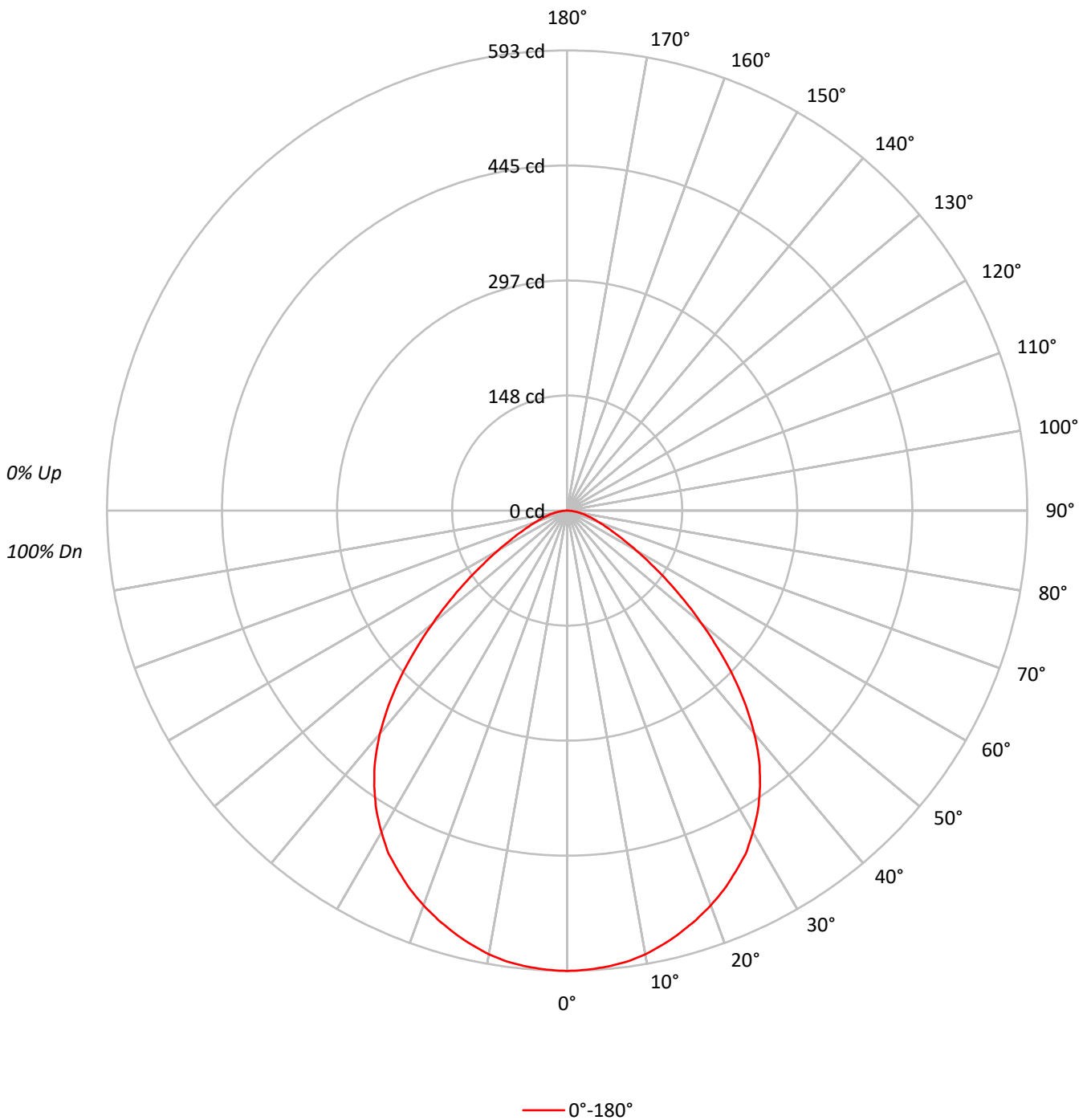
Input Watts (W): 10.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	74	71	77	73	69	67
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38
9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	40	36	35
10	58	46	39	34	57	46	38	34	45	38	34	44	38	33	43	37	33	32

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

	0°
0°	38714
5°	38639
10°	38470
15°	38046
20°	37581
25°	36964
30°	36062
35°	34526
40°	31980
45°	28021
50°	22938
55°	17926
60°	13466
65°	10204
70°	8183
75°	7008
80°	6086
85°	4342



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.0	4.7
10°-20°	158.9	13.2
20°-30°	236.4	19.7
30°-40°	269.7	22.5
40°-50°	232.6	19.4
50°-60°	142.4	11.9
60°-70°	67.8	5.6
70°-80°	30.1	2.5
80°-90°	7.3	0.6
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°	451.3	37.6
0°-40°	721.0	60.0
0°-60°	1096.0	91.2
0°-90°	1201.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1201.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	593	
5°	590	56
15°	563	159
25°	514	236
35°	434	270
45°	304	233
55°	158	142
65°	66	68
75°	28	30
85°	6	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	593.4
2.5°	592.3
5°	590.0
7.5°	586.5
10°	580.7
12.5°	572.6
15°	563.3
17.5°	552.9
20°	541.3
22.5°	528.5
25°	513.5
27.5°	498.4
30°	478.7
32.5°	457.8
35°	433.5
37.5°	406.8
40°	375.5
42.5°	340.8
45°	303.7
47.5°	264.3
50°	226.0
52.5°	190.1
55°	157.6
57.5°	127.5
60°	103.2
62.5°	82.3
65°	66.1
67.5°	53.3
70°	42.9
72.5°	34.8
75°	27.8
77.5°	22.0
80°	16.2
82.5°	11.6
85°	5.8
87.5°	1.2
90°	0.0

(END OF REPORT)