

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: P303383

Luminaire Tested: **PR6FS12D010 PR6M12WD8FSMW 1500Lm3000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303383  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-4)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS12D010 PR6M12WD8FSMW 1500Lm3000K  
Description: PR6 WIDE 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: 1521.4 lumens  
Efficiency: N/A  
Efficacy: 109.5 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.28  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

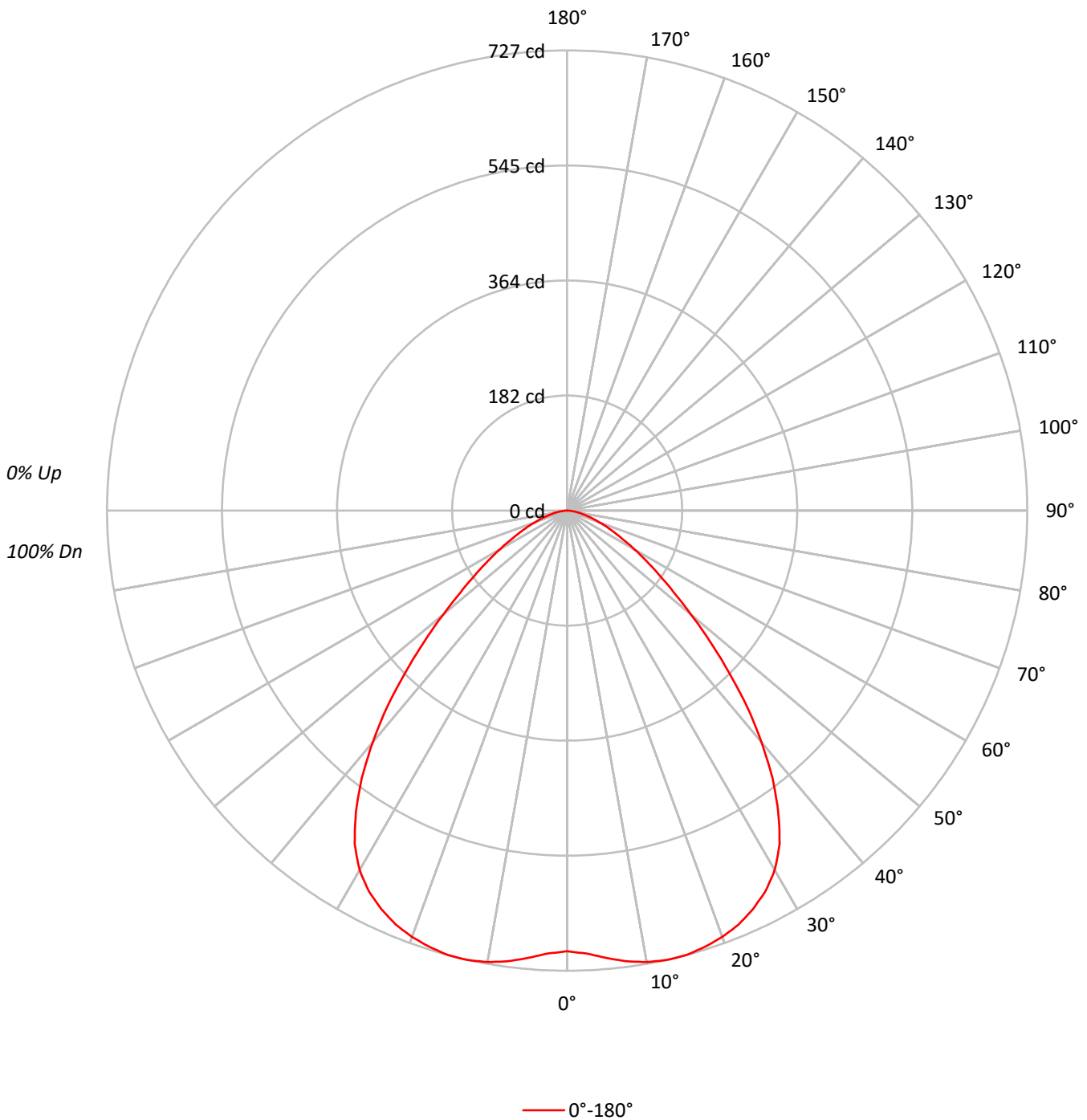
Input Watts (W): 13.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89
2	103	96	91	86	101	94	89	85	91	87	83	88	84	81	85	82	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68
4	88	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60
5	82	71	63	57	80	70	63	57	68	61	57	66	60	56	64	59	55	54
6	76	65	57	51	75	64	56	51	62	55	51	61	55	50	59	54	50	48
7	71	59	51	46	70	58	51	46	57	50	45	56	50	45	54	49	45	43
8	67	54	47	42	65	54	47	41	53	46	41	51	45	41	50	45	41	39
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	35
10	59	47	39	35	58	46	39	34	45	39	34	44	38	34	43	38	34	32

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

	0°
0°	45407
5°	46452
10°	47976
15°	49117
20°	49766
25°	49994
30°	49411
35°	46329
40°	40692
45°	33270
50°	25902
55°	20258
60°	16075
65°	12828
70°	10186
75°	8217
80°	6688
85°	4416



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.2	4.5
10°-20°	205.2	13.5
20°-30°	319.4	21.0
30°-40°	360.0	23.7
40°-50°	279.2	18.4
50°-60°	162.1	10.7
60°-70°	84.1	5.5
70°-80°	35.5	2.3
80°-90°	7.7	0.5
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°	592.8	39.0
0°-40°	952.8	62.6
0°-60°	1394.1	91.6
0°-90°	1521.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1521.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	696	
5°	709	68
15°	727	205
25°	694	319
35°	582	360
45°	361	279
55°	178	162
65°	83	84
75°	33	36
85°	6	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	696.0
2.5°	700.4
5°	709.3
7.5°	718.3
10°	724.2
12.5°	727.2
15°	727.2
17.5°	722.7
20°	716.8
22.5°	707.9
25°	694.5
27.5°	678.2
30°	655.9
32.5°	624.8
35°	581.7
37.5°	532.8
40°	477.8
42.5°	421.5
45°	360.6
47.5°	305.7
50°	255.2
52.5°	212.2
55°	178.1
57.5°	148.4
60°	123.2
62.5°	100.9
65°	83.1
67.5°	68.3
70°	53.4
72.5°	43.0
75°	32.6
77.5°	23.7
80°	17.8
82.5°	11.9
85°	5.9
87.5°	1.5
90°	0.0

(END OF REPORT)