

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: P303292

Luminaire Tested: **PR6FS12D010 PR6M12MD9FSMW 1000Lm4000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303292  
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 PR6M12MD9FSMW 1000Lm4000K  
Description: PR6 MEDIUM LENS WITH, MATTE WHITE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1015.2 lumens  
Efficiency: N/A  
Efficacy: 97.6 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

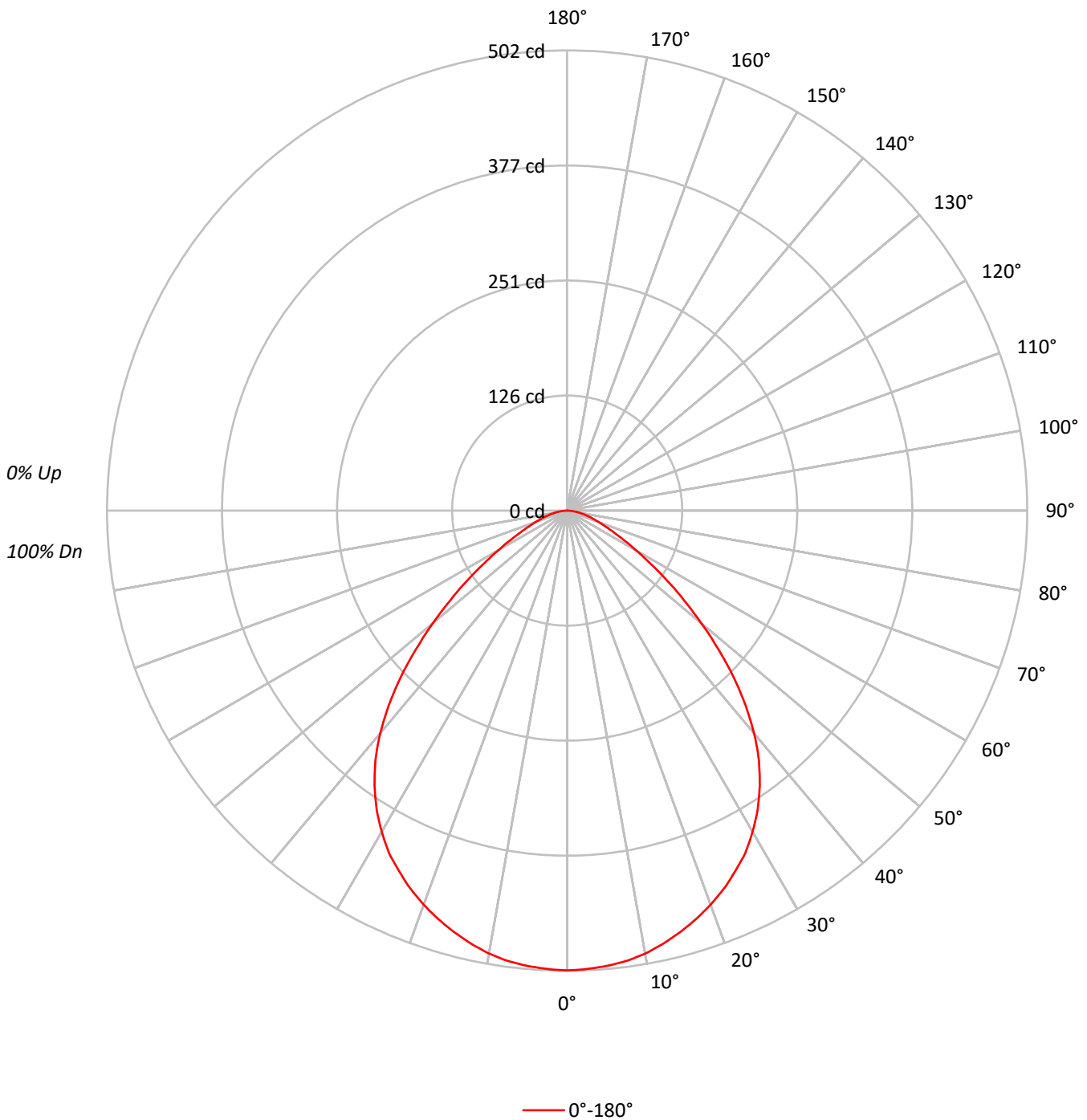
Input Watts (W): 10.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	32725
5°	32653
10°	32514
15°	32157
20°	31763
25°	31242
30°	30480
35°	29182
40°	27032
45°	23684
50°	19386
55°	15151
60°	11378
65°	8614
70°	6905
75°	5924
80°	5147
85°	3668



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.4	4.7
10°-20°	134.3	13.2
20°-30°	199.8	19.7
30°-40°	227.9	22.5
40°-50°	196.6	19.4
50°-60°	120.4	11.9
60°-70°	57.3	5.6
70°-80°	25.4	2.5
80°-90°	6.1	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°	381.5	37.6
0°-40°	609.4	60.0
0°-60°	926.3	91.2
0°-90°	1015.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1015.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	502	
5°	499	47
15°	476	134
25°	434	200
35°	366	228
45°	257	197
55°	133	120
65°	56	57
75°	24	25
85°	5	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	501.6
2.5°	500.6
5°	498.6
7.5°	495.7
10°	490.8
12.5°	483.9
15°	476.1
17.5°	467.3
20°	457.5
22.5°	446.7
25°	434.0
27.5°	421.2
30°	404.6
32.5°	386.9
35°	366.4
37.5°	343.8
40°	317.4
42.5°	288.0
45°	256.7
47.5°	223.3
50°	191.0
52.5°	160.7
55°	133.2
57.5°	107.8
60°	87.2
62.5°	69.6
65°	55.8
67.5°	45.1
70°	36.2
72.5°	29.4
75°	23.5
77.5°	18.6
80°	13.7
82.5°	9.8
85°	4.9
87.5°	1.0
90°	0.0

(END OF REPORT)