

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: P303382

Luminaire Tested: **PR6FS12D010 PR6M12WD9FSMW 1000Lm4000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303382  
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 PR6M12WD9FSMW 1000Lm4000K  
Description: PR6 WIDE 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: 1004.4 lumens  
Efficiency: N/A  
Efficacy: 96.6 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

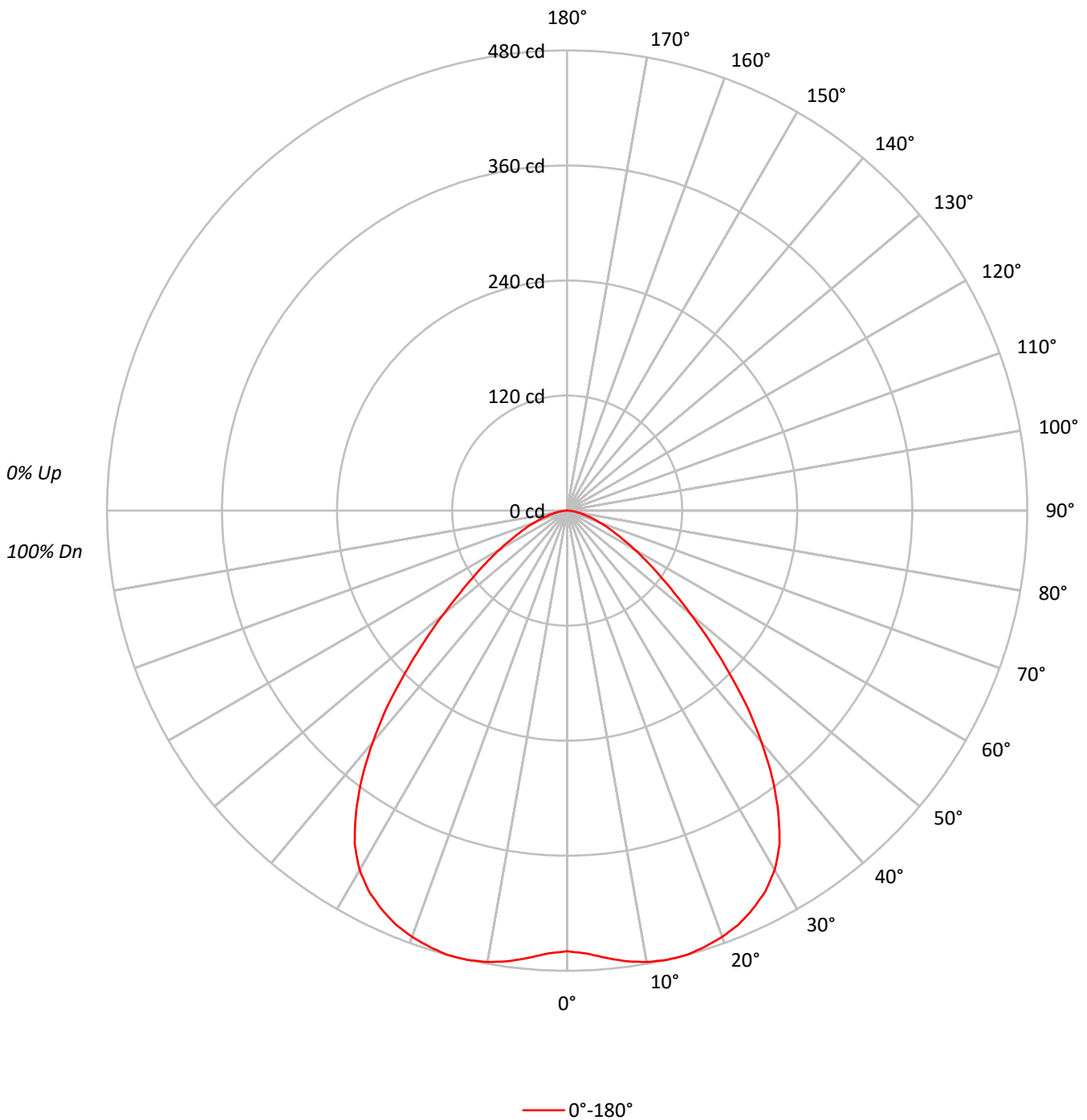
Input Watts (W): 10.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	29978
5°	30669
10°	31673
15°	32427
20°	32853
25°	33005
30°	32619
35°	30583
40°	26870
45°	21968
50°	17102
55°	13376
60°	10608
65°	8475
70°	6734
75°	5445
80°	4433
85°	2919



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.0	4.5
10°-20°	135.5	13.5
20°-30°	210.8	21.0
30°-40°	237.6	23.7
40°-50°	184.3	18.3
50°-60°	107.1	10.7
60°-70°	55.5	5.5
70°-80°	23.5	2.3
80°-90°	5.1	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°	391.3	39.0
0°-40°	629.0	62.6
0°-60°	920.3	91.6
0°-90°	1004.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1004.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	460	
5°	468	45
15°	480	135
25°	458	211
35°	384	238
45°	238	184
55°	118	107
65°	55	56
75°	22	24
85°	4	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	459.5
2.5°	462.4
5°	468.3
7.5°	474.2
10°	478.1
12.5°	480.1
15°	480.1
17.5°	477.1
20°	473.2
22.5°	467.3
25°	458.5
27.5°	447.7
30°	433.0
32.5°	412.5
35°	384.0
37.5°	351.7
40°	315.5
42.5°	278.2
45°	238.1
47.5°	201.8
50°	168.5
52.5°	140.1
55°	117.6
57.5°	98.0
60°	81.3
62.5°	66.6
65°	54.9
67.5°	45.1
70°	35.3
72.5°	28.4
75°	21.6
77.5°	15.7
80°	11.8
82.5°	7.8
85°	3.9
87.5°	1.0
90°	0.0

(END OF REPORT)