

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: P303320

Luminaire Tested: **PR6FS12D010 PR6M12MD9FSMMS 1000Lm3000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303320  
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 PR6M12MD9FSMMS 1000Lm3000K  
Description: PR6 MEDIUM LENS WITH, MATTE METALLIC SILVER FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 970.1 lumens  
Efficiency: N/A  
Efficacy: 93.3 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

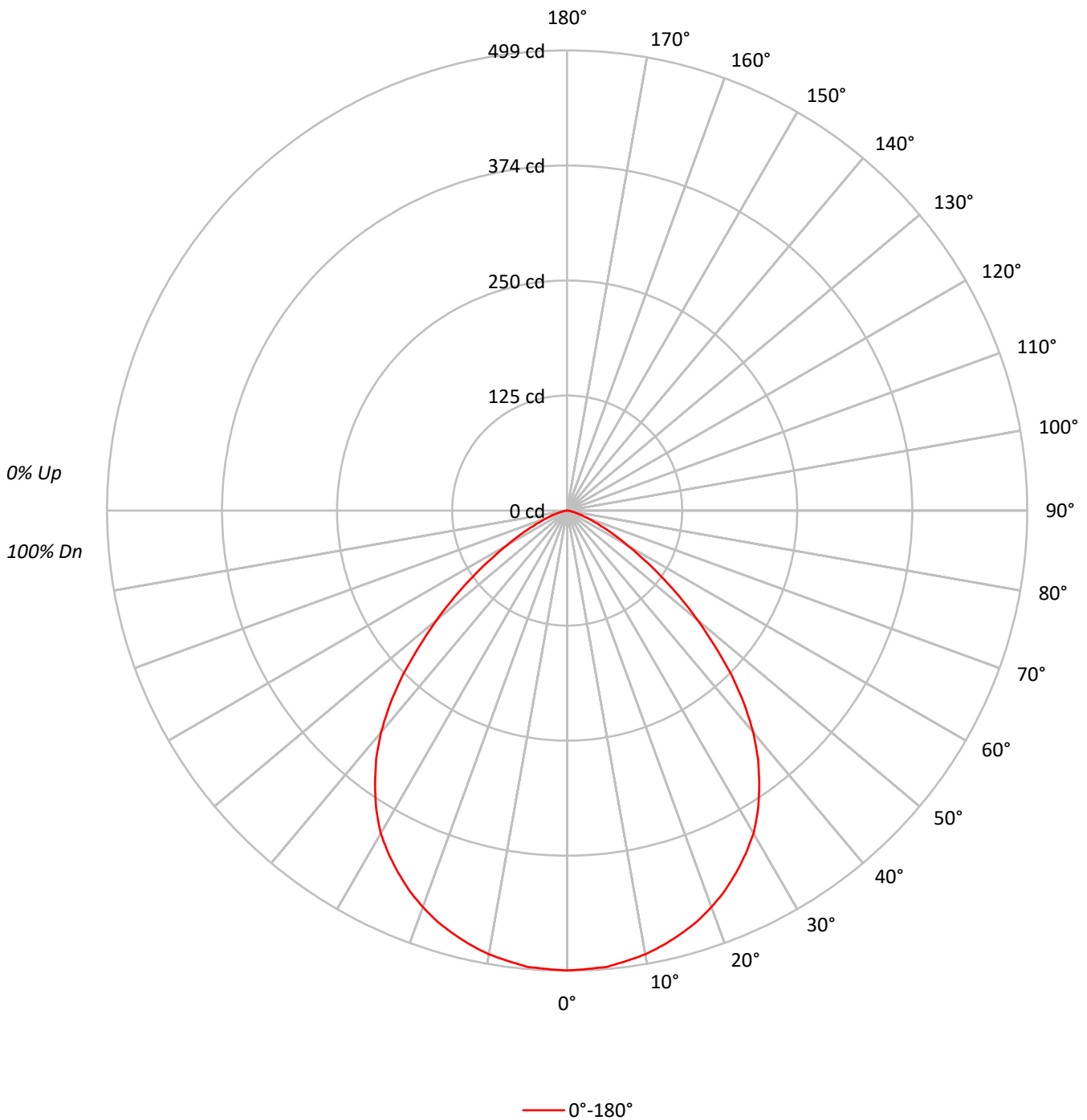
Input Watts (W): 10.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P303320

CATALOG NUMBER: PR6FS12D010 PR6M12MD9FSMMS 1000Lm3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P303320

CATALOG NUMBER: PR6FS12D010 PR6M12MD9FSMMS 1000Lm3000K

**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°	32529
5°	32522
10°	32368
15°	32116
20°	31763
25°	31198
30°	30457
35°	28927
40°	26742
45°	23232
50°	18736
55°	14150
60°	9943
65°	6653
70°	4216
75°	2521
80°	1503
85°	749



TEST NUMBER: P303320

CATALOG NUMBER: PR6FS12D010 PR6M12MD9FSMMS 1000Lm3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.1	4.9
10°-20°	134.1	13.8
20°-30°	199.5	20.6
30°-40°	226.2	23.3
40°-50°	192.6	19.8
50°-60°	112.7	11.6
60°-70°	44.7	4.6
70°-80°	11.9	1.2
80°-90°	1.4	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°	380.7	39.2
0°-40°	606.9	62.6
0°-60°	912.2	94.0
0°-90°	970.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	970.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	499	
5°	497	47
15°	476	134
25°	433	199
35°	363	226
45°	252	193
55°	124	113
65°	43	45
75°	10	12
85°	1	1
90°	0	



TEST NUMBER: P303320

CATALOG NUMBER: PR6FS12D010 PR6M12MD9FSMMS 1000Lm3000K

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	498.6
2.5°	497.6
5°	496.6
7.5°	492.6
10°	488.6
12.5°	482.6
15°	475.5
17.5°	467.5
20°	457.5
22.5°	446.4
25°	433.4
27.5°	419.4
30°	404.3
32.5°	385.2
35°	363.2
37.5°	340.1
40°	314.0
42.5°	283.9
45°	251.8
47.5°	216.7
50°	184.6
52.5°	153.5
55°	124.4
57.5°	98.3
60°	76.2
62.5°	58.2
65°	43.1
67.5°	31.1
70°	22.1
72.5°	16.1
75°	10.0
77.5°	6.0
80°	4.0
82.5°	2.0
85°	1.0
87.5°	0.0
90°	0.0

(END OF REPORT)