

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: P303416

Luminaire Tested: **PR6FS12D010 PR6M12WD9FSMMS 1500Lm3000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303416  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS12D010 PR6M12WD9FSMMS 1500Lm3000K  
Description: PR6 WIDE 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: 1232.3 lumens  
Efficiency: N/A  
Efficacy: 88.7 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.27  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

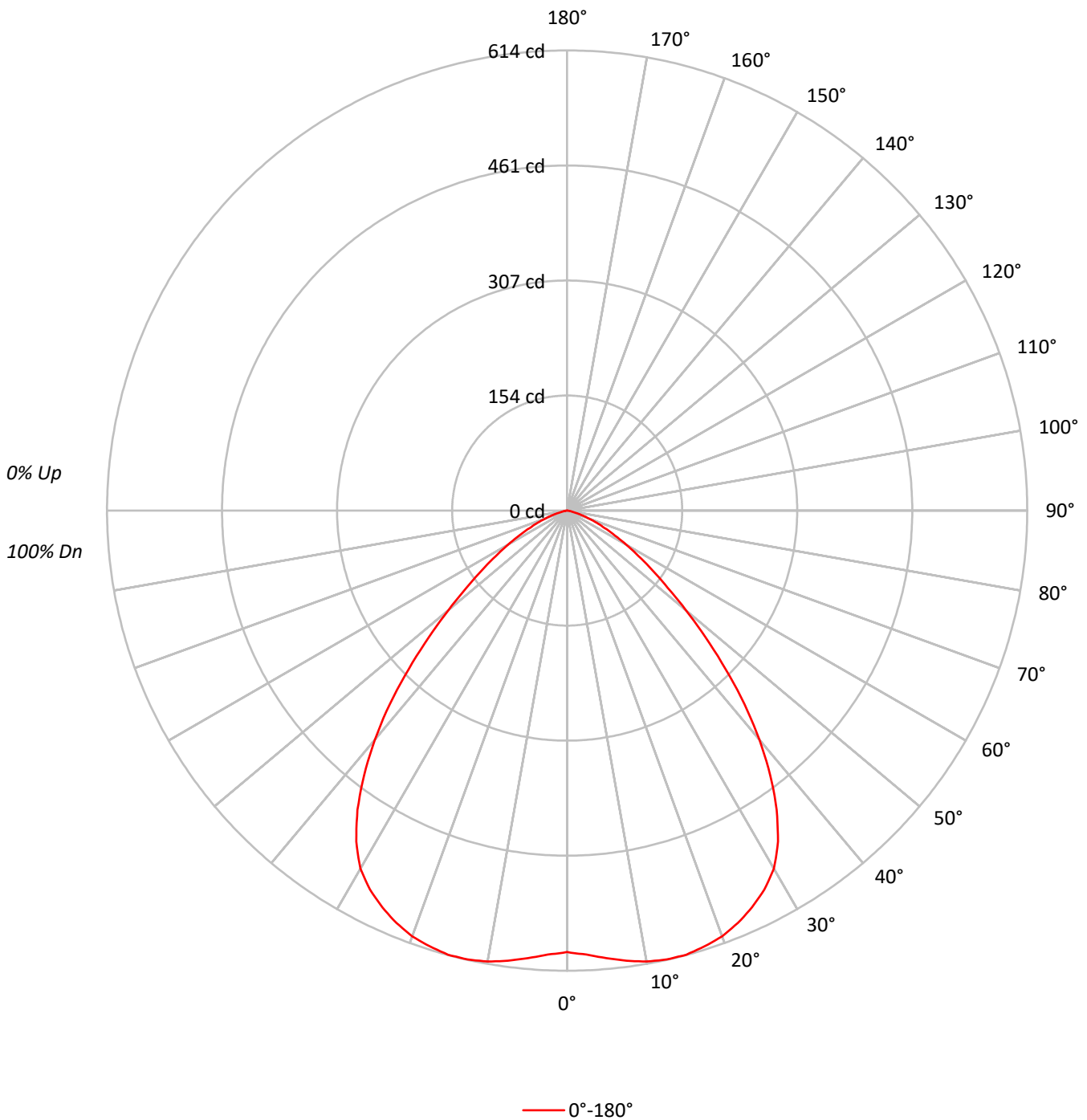
Input Watts (W): 13.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90
2	104	97	92	87	101	95	91	86	92	88	85	89	86	83	86	83	81	79
3	96	88	81	76	94	86	80	75	83	78	74	81	77	73	78	75	72	70
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	47	56	50	46	45
8	68	56	48	43	66	55	48	43	54	47	43	53	47	42	51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	39	48	42	38	37
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34

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

	0°
0°	38433
5°	39255
10°	40470
15°	41437
20°	41969
25°	42039
30°	41576
35°	38842
40°	33998
45°	27596
50°	20969
55°	15765
60°	11887
65°	8521
70°	5875
75°	3227
80°	1465
85°	973



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.6	4.7
10°-20°	173.1	14.0
20°-30°	268.6	21.8
30°-40°	301.6	24.5
40°-50°	230.8	18.7
50°-60°	126.8	10.3
60°-70°	56.8	4.6
70°-80°	15.3	1.2
80°-90°	1.6	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°	499.3	40.5
0°-40°	800.9	65.0
0°-60°	1158.5	94.0
0°-90°	1232.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1232.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	589	
5°	599	58
15°	614	173
25°	584	269
35°	488	302
45°	299	231
55°	139	127
65°	55	57
75°	13	15
85°	1	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	589.1
2.5°	593.0
5°	599.4
7.5°	605.8
10°	610.9
12.5°	613.5
15°	613.5
17.5°	609.7
20°	604.5
22.5°	595.5
25°	584.0
27.5°	569.9
30°	551.9
32.5°	523.7
35°	487.7
37.5°	445.4
40°	399.2
42.5°	350.4
45°	299.1
47.5°	250.3
50°	206.6
52.5°	169.4
55°	138.6
57.5°	112.9
60°	91.1
62.5°	71.9
65°	55.2
67.5°	42.4
70°	30.8
72.5°	20.5
75°	12.8
77.5°	7.7
80°	3.9
82.5°	2.6
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)