

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: P303411

Luminaire Tested: **PR6FS12D010 PR6M12WD9FSMMS 1000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303411
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 1000Lm3500K
Description: PR6 WIDE LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 959.9 lumens
Efficiency: N/A
Efficacy: 95.0 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

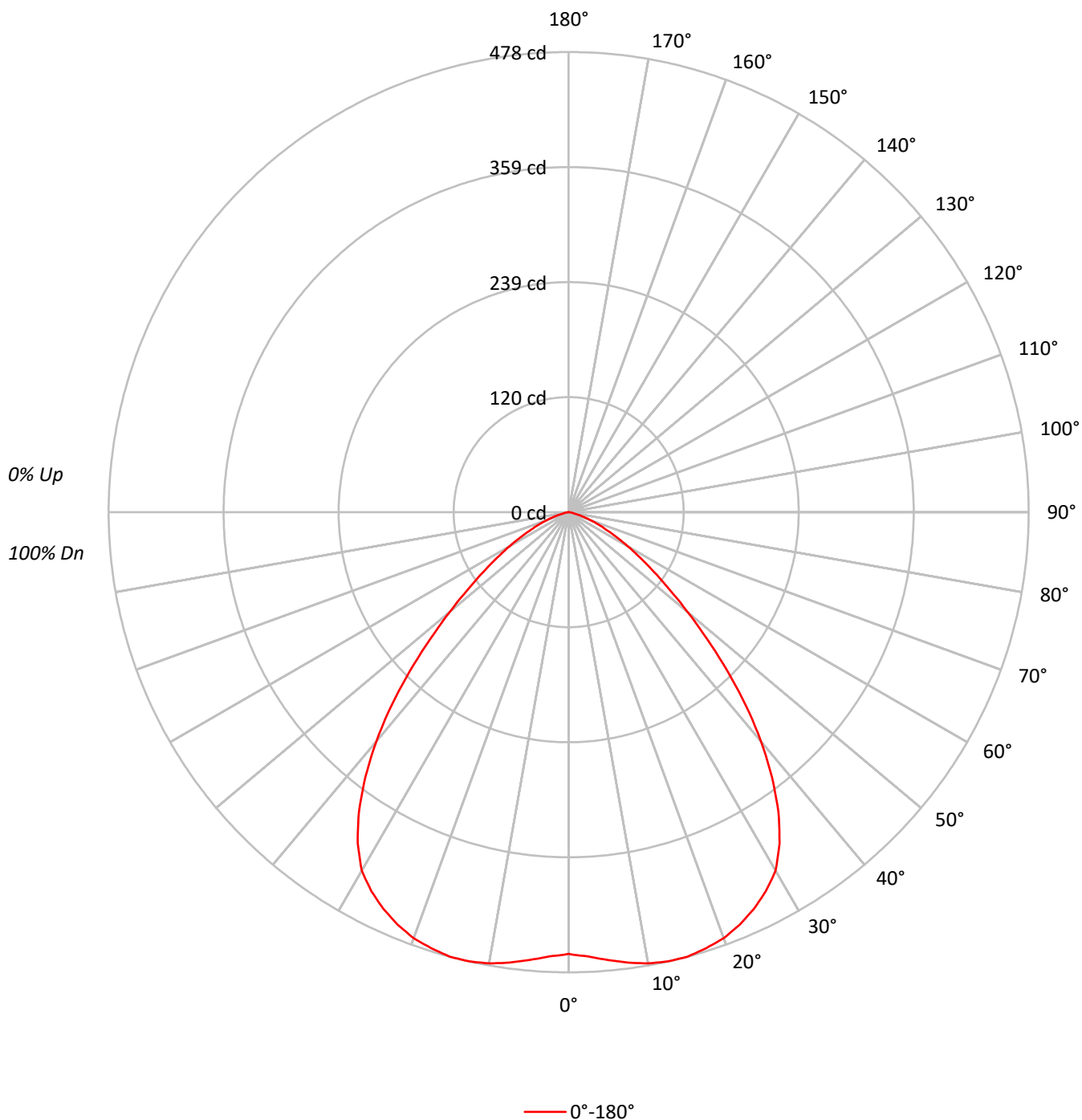
Input Watts (W): 10.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303411

CATALOG NUMBER: PR6FS12D010 PR6M12WD9FSMMS 1000lm3500K

Luminous Intensity Polar Plot



TEST NUMBER: P303411

CATALOG NUMBER: PR6FS12D010 PR6M12WD9FSMMS 1000Lm3500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
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°	29939
5°	30577
10°	31527
15°	32278
20°	32693
25°	32746
30°	32386
35°	30257
40°	26478
45°	21488
50°	16341
55°	12284
60°	9264
65°	6638
70°	4578
75°	2521
80°	1127
85°	749



TEST NUMBER: P303411

CATALOG NUMBER: PR6FS12D010 PR6M12WD9FSMMS 1000Lm3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.9	4.7
10°-20°	134.9	14.1
20°-30°	209.3	21.8
30°-40°	234.9	24.5
40°-50°	179.7	18.7
50°-60°	98.8	10.3
60°-70°	44.2	4.6
70°-80°	12.0	1.2
80°-90°	1.2	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°	389.0	40.5
0°-40°	623.9	65.0
0°-60°	902.4	94.0
0°-90°	959.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	959.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	459	
5°	467	45
15°	478	135
25°	455	209
35°	380	235
45°	233	180
55°	108	99
65°	43	44
75°	10	12
85°	1	1
90°	0	



TEST NUMBER: P303411

CATALOG NUMBER: PR6FS12D010 PR6M12WD9FSMMS 1000Lm3500K

CANDELA DISTRIBUTION (FULL):

	0°
0°	458.9
2.5°	461.9
5°	466.9
7.5°	471.9
10°	475.9
12.5°	477.9
15°	477.9
17.5°	474.9
20°	470.9
22.5°	463.9
25°	454.9
27.5°	443.9
30°	429.9
32.5°	407.9
35°	379.9
37.5°	346.9
40°	310.9
42.5°	272.9
45°	232.9
47.5°	194.9
50°	161.0
52.5°	132.0
55°	108.0
57.5°	88.0
60°	71.0
62.5°	56.0
65°	43.0
67.5°	33.0
70°	24.0
72.5°	16.0
75°	10.0
77.5°	6.0
80°	3.0
82.5°	2.0
85°	1.0
87.5°	0.0
90°	0.0

(END OF REPORT)