

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: P303608

Luminaire Tested: **PR6FS12D010 PR6M12MD8FSMMS 2000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303608
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 PR6M12MD8FSMMS 2000Lm3000K
Description: PR6 MEDIUM LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2037.6 lumens
Efficiency: N/A
Efficacy: 92.6 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

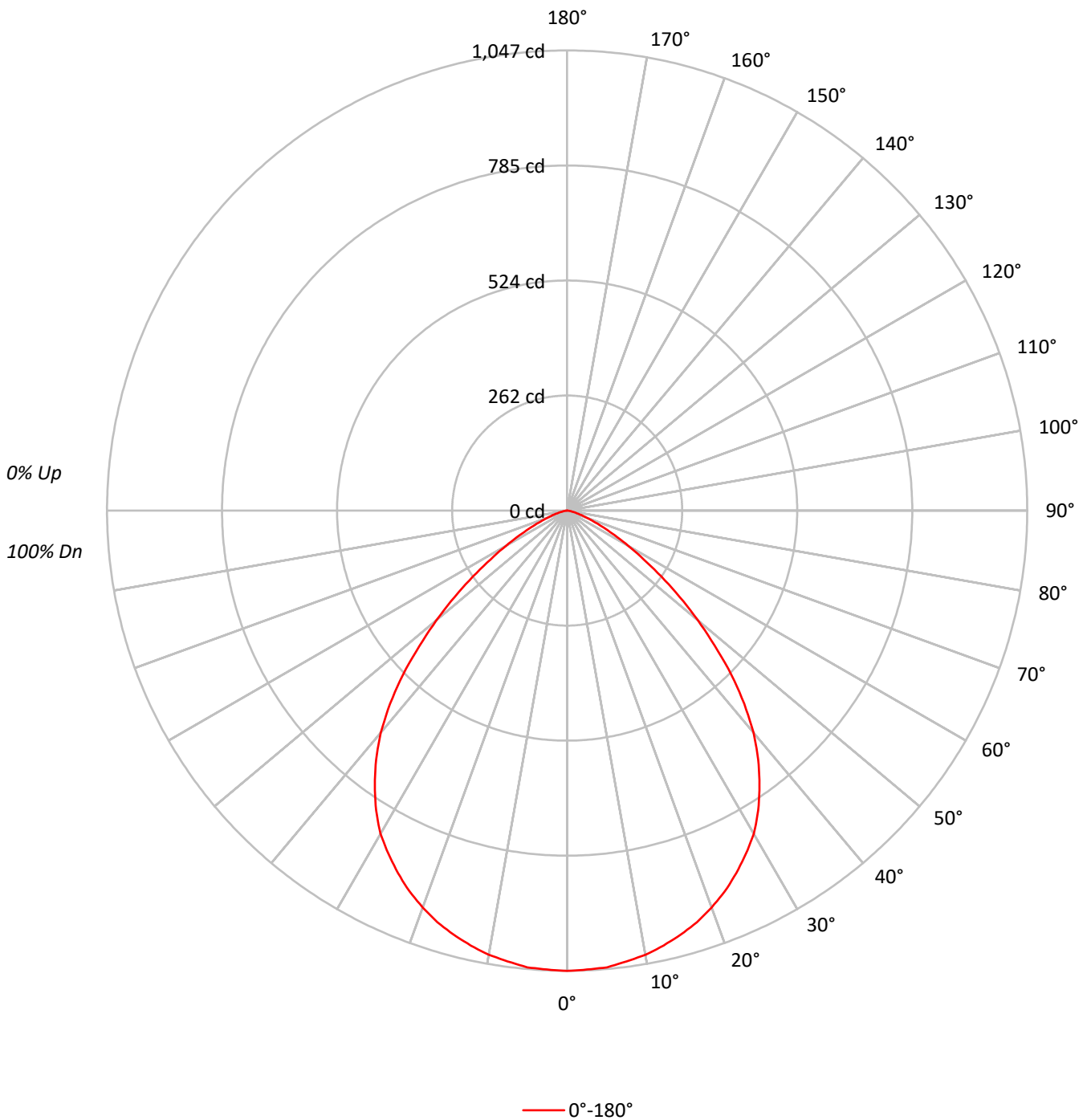
Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303608

CATALOG NUMBER: PR6FS12D010 PR6M12MD8FSMMS 2000Lm3000K

Luminous Intensity Polar Plot





TEST NUMBER: P303608

CATALOG NUMBER: PR6FS12D010 PR6M12MD8FSMMS 2000Lm3000K

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°	68327
5°	68312
10°	67983
15°	67461
20°	66713
25°	65528
30°	63973
35°	60753
40°	56167
45°	48799
50°	39350
55°	29721
60°	20890
65°	13986
70°	8851
75°	5319
80°	3156
85°	1572



TEST NUMBER: P303608

CATALOG NUMBER: PR6FS12D010 PR6M12MD8FSMMS 2000Lm3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.0	4.9
10°-20°	281.7	13.8
20°-30°	419.0	20.6
30°-40°	475.2	23.3
40°-50°	404.4	19.8
50°-60°	236.7	11.6
60°-70°	93.9	4.6
70°-80°	24.9	1.2
80°-90°	2.9	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°	799.6	39.2
0°-40°	1274.8	62.6
0°-60°	1916.0	94.0
0°-90°	2037.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2037.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1047	
5°	1043	99
15°	999	282
25°	910	419
35°	763	475
45°	529	404
55°	261	237
65°	91	94
75°	21	25
85°	2	3
90°	0	



TEST NUMBER: P303608

CATALOG NUMBER: PR6FS12D010 PR6M12MD8FSMMS 2000Lm3000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1047.3
2.5°	1045.2
5°	1043.1
7.5°	1034.6
10°	1026.2
12.5°	1013.6
15°	998.8
17.5°	981.9
20°	960.9
22.5°	937.7
25°	910.3
27.5°	880.8
30°	849.2
32.5°	809.2
35°	762.8
37.5°	714.3
40°	659.5
42.5°	596.3
45°	528.9
47.5°	455.2
50°	387.7
52.5°	322.4
55°	261.3
57.5°	206.5
60°	160.1
62.5°	122.2
65°	90.6
67.5°	65.3
70°	46.4
72.5°	33.7
75°	21.1
77.5°	12.6
80°	8.4
82.5°	4.2
85°	2.1
87.5°	0.0
90°	0.0

(END OF REPORT)