

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: P303324

Luminaire Tested: **PR6FS12D010 PR6M12MD8FSMMS 1500Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303324
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 1500Lm3500K
Description: PR6 MEDIUM LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1633.1 lumens
Efficiency: N/A
Efficacy: 122.8 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

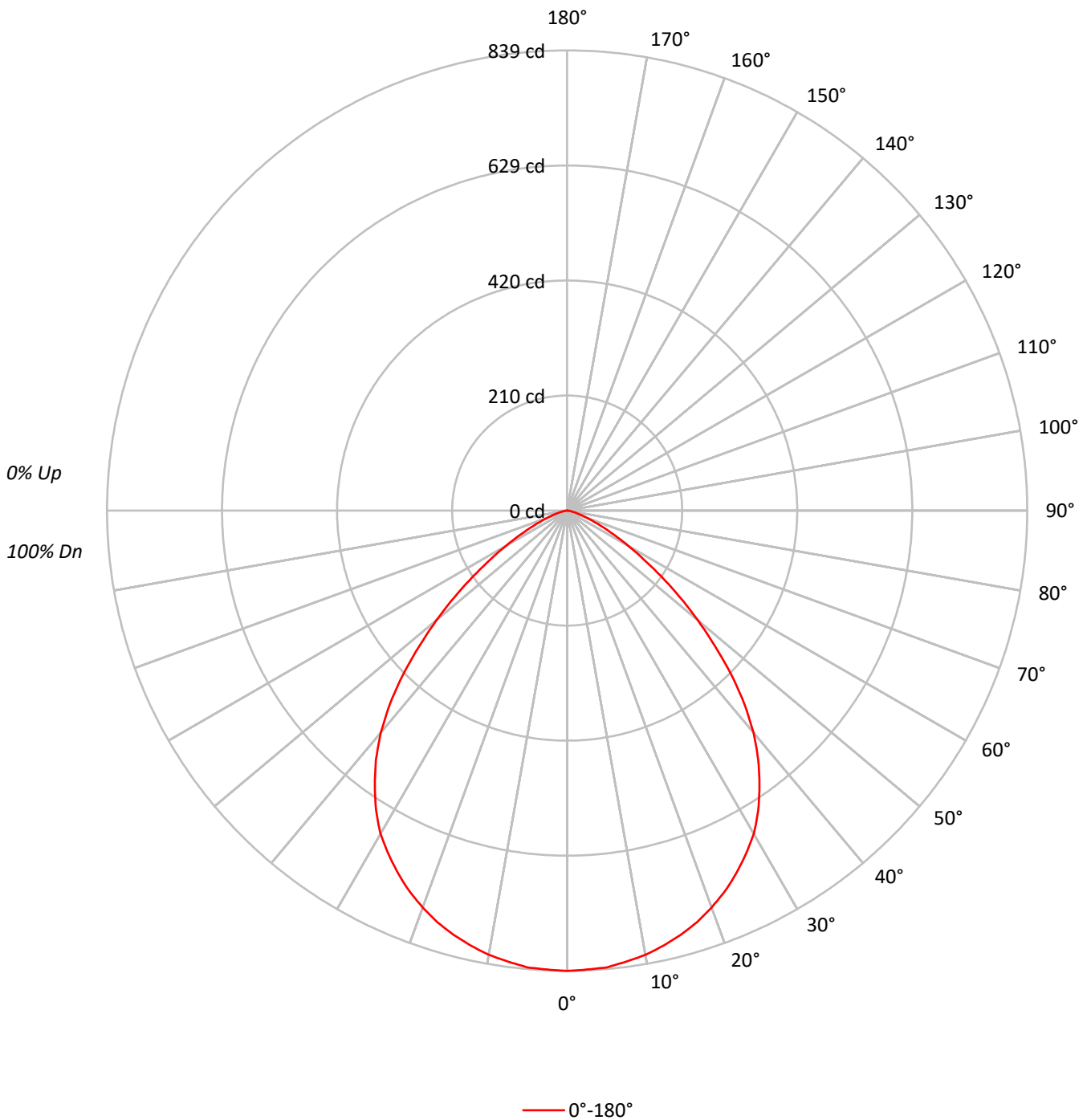
Input Watts (W): 13.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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CATALOG NUMBER: PR6F512D010 PR6M12MD8FSMMS 1500Lm3500K

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°	54756
5°	54743
10°	54482
15°	54067
20°	53466
25°	52513
30°	51272
35°	48686
40°	45019
45°	39111
50°	31535
55°	23818
60°	16741
65°	11207
70°	7096
75°	4260
80°	2555
85°	1273



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.3	4.9
10°-20°	225.7	13.8
20°-30°	335.8	20.6
30°-40°	380.9	23.3
40°-50°	324.1	19.8
50°-60°	189.7	11.6
60°-70°	75.3	4.6
70°-80°	20.0	1.2
80°-90°	2.3	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°	640.8	39.2
0°-40°	1021.7	62.6
0°-60°	1535.5	94.0
0°-90°	1633.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1633.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	839	
5°	836	79
15°	800	226
25°	730	336
35°	611	381
45°	424	324
55°	209	190
65°	73	75
75°	17	20
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	839.3
2.5°	837.6
5°	835.9
7.5°	829.2
10°	822.4
12.5°	812.3
15°	800.5
17.5°	787.0
20°	770.1
22.5°	751.5
25°	729.5
27.5°	705.9
30°	680.6
32.5°	648.5
35°	611.3
37.5°	572.5
40°	528.6
42.5°	477.9
45°	423.9
47.5°	364.8
50°	310.7
52.5°	258.4
55°	209.4
57.5°	165.5
60°	128.3
62.5°	97.9
65°	72.6
67.5°	52.4
70°	37.2
72.5°	27.0
75°	16.9
77.5°	10.1
80°	6.8
82.5°	3.4
85°	1.7
87.5°	0.0
90°	0.0

(END OF REPORT)