

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: P303328

Luminaire Tested: **PR6FS12D010 PR6M12MD9FSMMS 1500Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303328
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 1500Lm4000K
Description: PR6 MEDIUM LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1213.6 lumens
Efficiency: N/A
Efficacy: 87.3 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

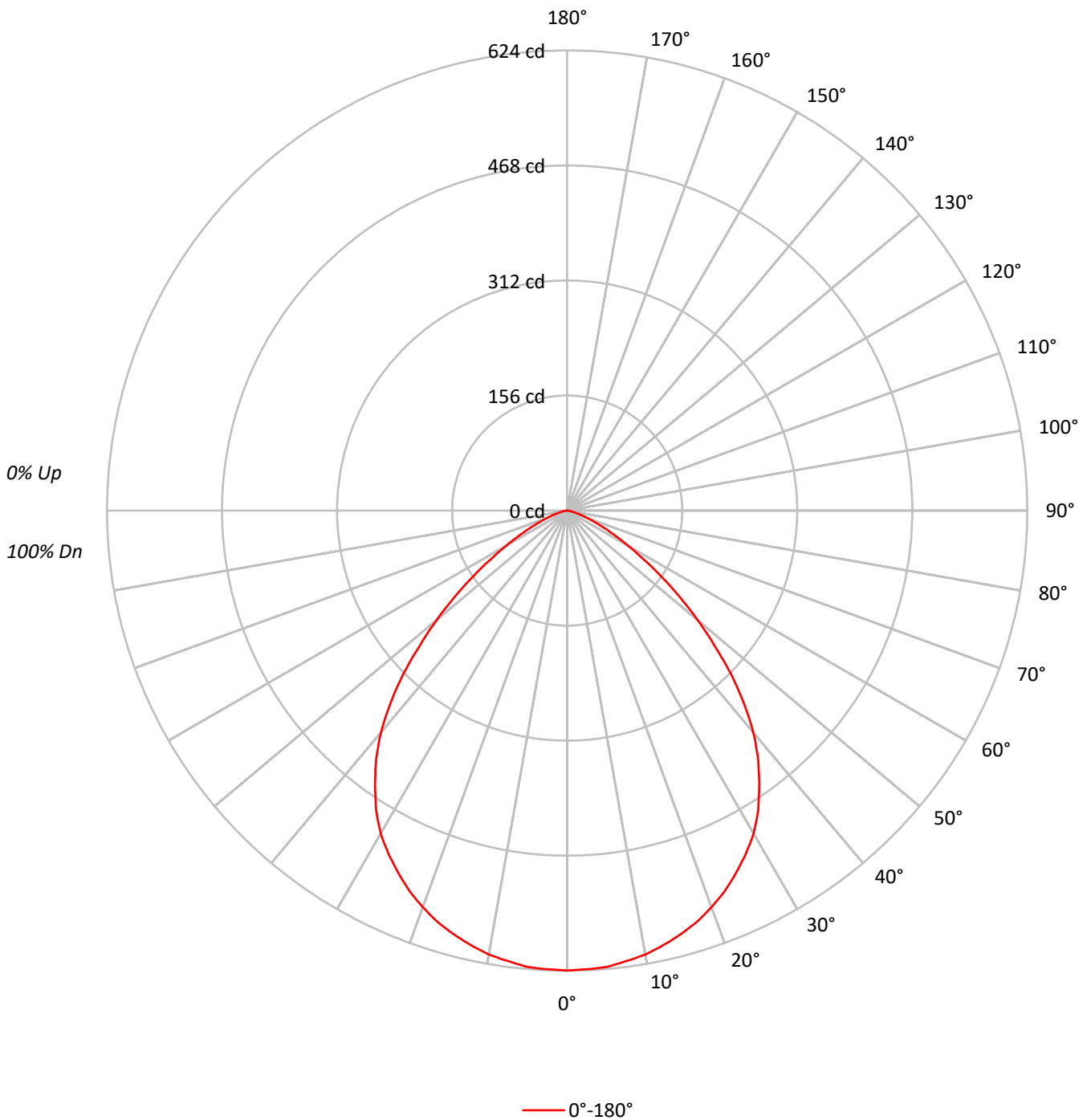
Input Watts (W): 13.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	40691
5°	40682
10°	40490
15°	40181
20°	39733
25°	39023
30°	38104
35°	36182
40°	33453
45°	29063
50°	23436
55°	17698
60°	12448
65°	8336
70°	5265
75°	3151
80°	1879
85°	973



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.9	4.9
10°-20°	167.8	13.8
20°-30°	249.5	20.6
30°-40°	283.0	23.3
40°-50°	240.9	19.8
50°-60°	141.0	11.6
60°-70°	56.0	4.6
70°-80°	14.8	1.2
80°-90°	1.7	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°	476.2	39.2
0°-40°	759.2	62.6
0°-60°	1141.1	94.0
0°-90°	1213.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1213.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	624	
5°	621	59
15°	595	168
25°	542	250
35°	454	283
45°	315	241
55°	156	141
65°	54	56
75°	12	15
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	623.7
2.5°	622.5
5°	621.2
7.5°	616.2
10°	611.2
12.5°	603.6
15°	594.9
17.5°	584.8
20°	572.3
22.5°	558.5
25°	542.1
27.5°	524.6
30°	505.8
32.5°	481.9
35°	454.3
37.5°	425.4
40°	392.8
42.5°	355.2
45°	315.0
47.5°	271.1
50°	230.9
52.5°	192.0
55°	155.6
57.5°	123.0
60°	95.4
62.5°	72.8
65°	54.0
67.5°	38.9
70°	27.6
72.5°	20.1
75°	12.5
77.5°	7.5
80°	5.0
82.5°	2.5
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)