

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: P303412

Luminaire Tested: **PR6FS12D010 PR6M12WD9FSMMS 1000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303412
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 1000Lm4000K
Description: PR6 WIDE 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: 940.5 lumens
Efficiency: N/A
Efficacy: 90.4 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

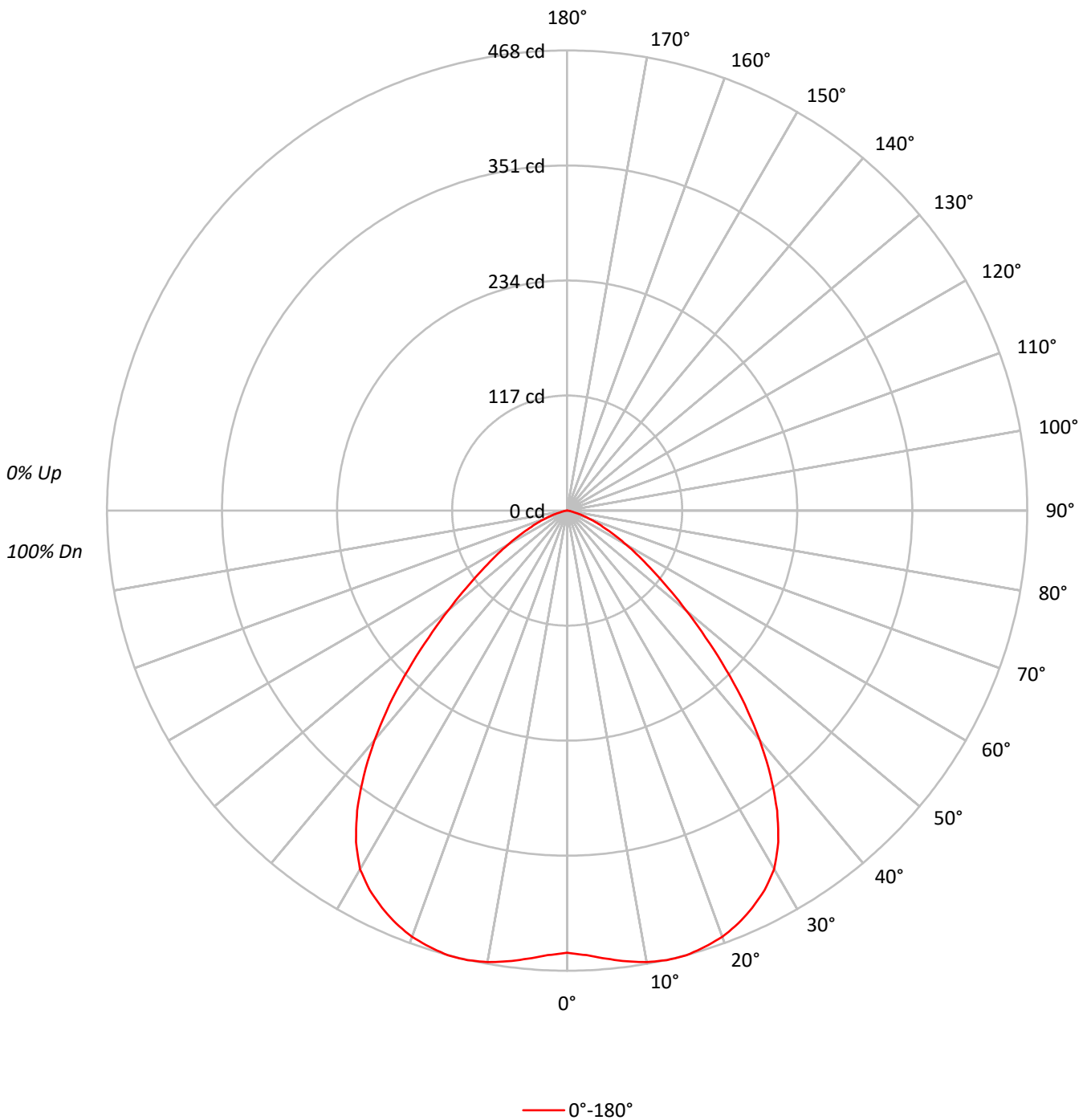
Input Watts (W): 10.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	29339
5°	29962
10°	30891
15°	31630
20°	32034
25°	32084
30°	31730
35°	29651
40°	25950
45°	21064
50°	16006
55°	12034
60°	9081
65°	6499
70°	4483
75°	2470
80°	1090
85°	749



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.9	4.7
10°-20°	132.1	14.0
20°-30°	205.0	21.8
30°-40°	230.2	24.5
40°-50°	176.1	18.7
50°-60°	96.8	10.3
60°-70°	43.3	4.6
70°-80°	11.7	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°	381.1	40.5
0°-40°	611.3	65.0
0°-60°	884.3	94.0
0°-90°	940.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	940.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	450	
5°	458	44
15°	468	132
25°	446	205
35°	372	230
45°	228	176
55°	106	97
65°	42	43
75°	10	12
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	449.7
2.5°	452.6
5°	457.5
7.5°	462.4
10°	466.3
12.5°	468.3
15°	468.3
17.5°	465.3
20°	461.4
22.5°	454.6
25°	445.7
27.5°	435.0
30°	421.2
32.5°	399.7
35°	372.3
37.5°	339.9
40°	304.7
42.5°	267.4
45°	228.3
47.5°	191.0
50°	157.7
52.5°	129.3
55°	105.8
57.5°	86.2
60°	69.6
62.5°	54.9
65°	42.1
67.5°	32.3
70°	23.5
72.5°	15.7
75°	9.8
77.5°	5.9
80°	2.9
82.5°	2.0
85°	1.0
87.5°	0.0
90°	0.0

(END OF REPORT)