

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: P303418

Luminaire Tested: **PR6FS12D010 PR6M12WD9FSMMS 1500Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303418
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 1500Lm4000K
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: 1204.0 lumens
Efficiency: N/A
Efficacy: 86.6 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

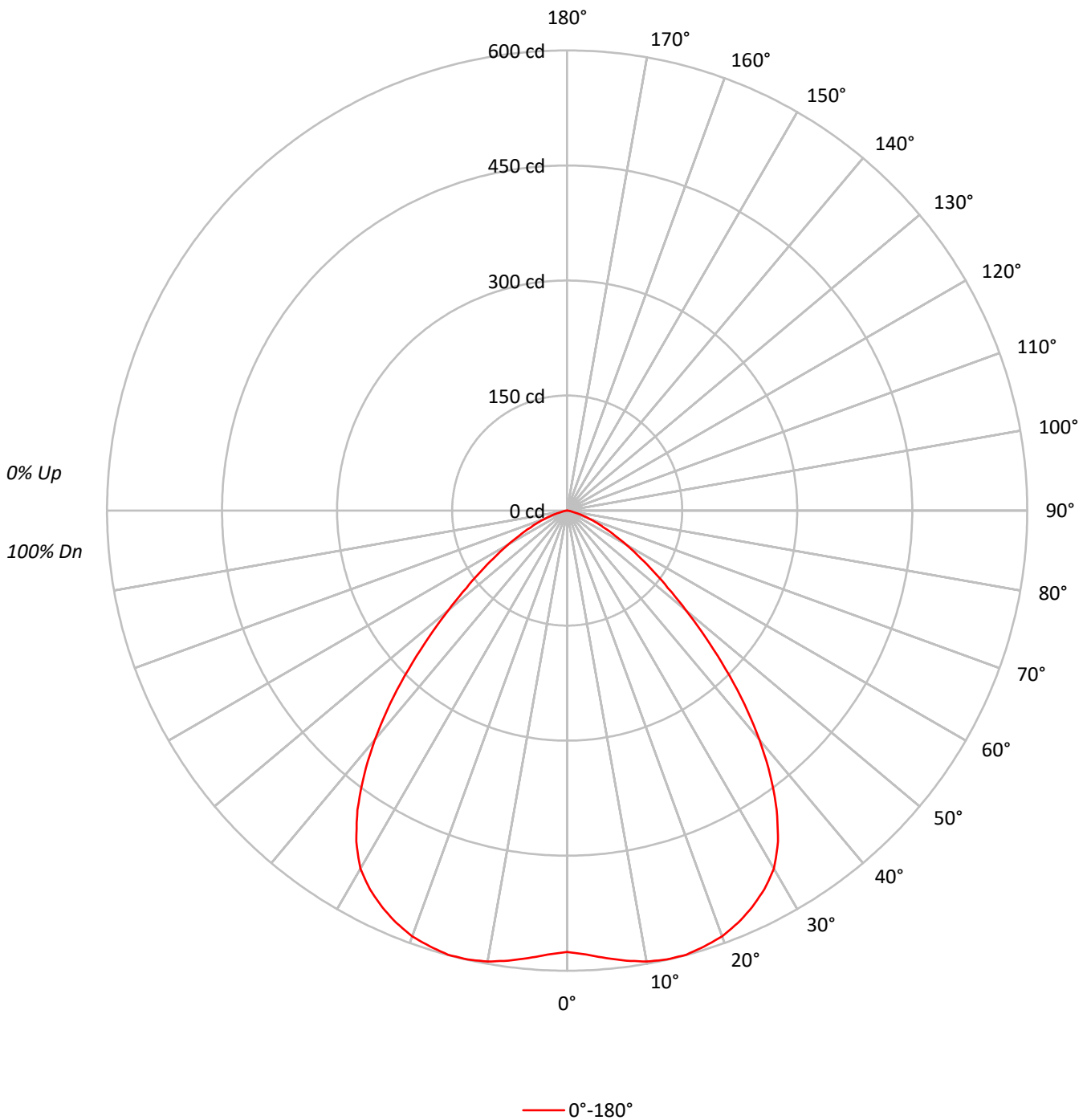
Input Watts (W): 13.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	37553
5°	38357
10°	39549
15°	40491
20°	41011
25°	41075
30°	40627
35°	37958
40°	33215
45°	26960
50°	20492
55°	15401
60°	11613
65°	8321
70°	5742
75°	3151
80°	1428
85°	973



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	4.7
10°-20°	169.2	14.1
20°-30°	262.5	21.8
30°-40°	294.7	24.5
40°-50°	225.5	18.7
50°-60°	123.9	10.3
60°-70°	55.5	4.6
70°-80°	15.0	1.2
80°-90°	1.5	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°	487.9	40.5
0°-40°	782.6	65.0
0°-60°	1132.0	94.0
0°-90°	1204.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1204.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	576	
5°	586	56
15°	600	169
25°	571	262
35°	477	295
45°	292	226
55°	135	124
65°	54	55
75°	12	15
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	575.6
2.5°	579.4
5°	585.7
7.5°	591.9
10°	597.0
12.5°	599.5
15°	599.5
17.5°	595.7
20°	590.7
22.5°	581.9
25°	570.6
27.5°	556.8
30°	539.3
32.5°	511.7
35°	476.6
37.5°	435.2
40°	390.0
42.5°	342.4
45°	292.2
47.5°	244.6
50°	201.9
52.5°	165.5
55°	135.4
57.5°	110.4
60°	89.0
62.5°	70.2
65°	53.9
67.5°	41.4
70°	30.1
72.5°	20.1
75°	12.5
77.5°	7.5
80°	3.8
82.5°	2.5
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)