

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: P303410

Luminaire Tested: **PR6FS12D010 PR6M12WD9FSMMS 1000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303410
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 1000Lm3000K
Description: PR6 WIDE LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 962.5 lumens
Efficiency: N/A
Efficacy: 92.5 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

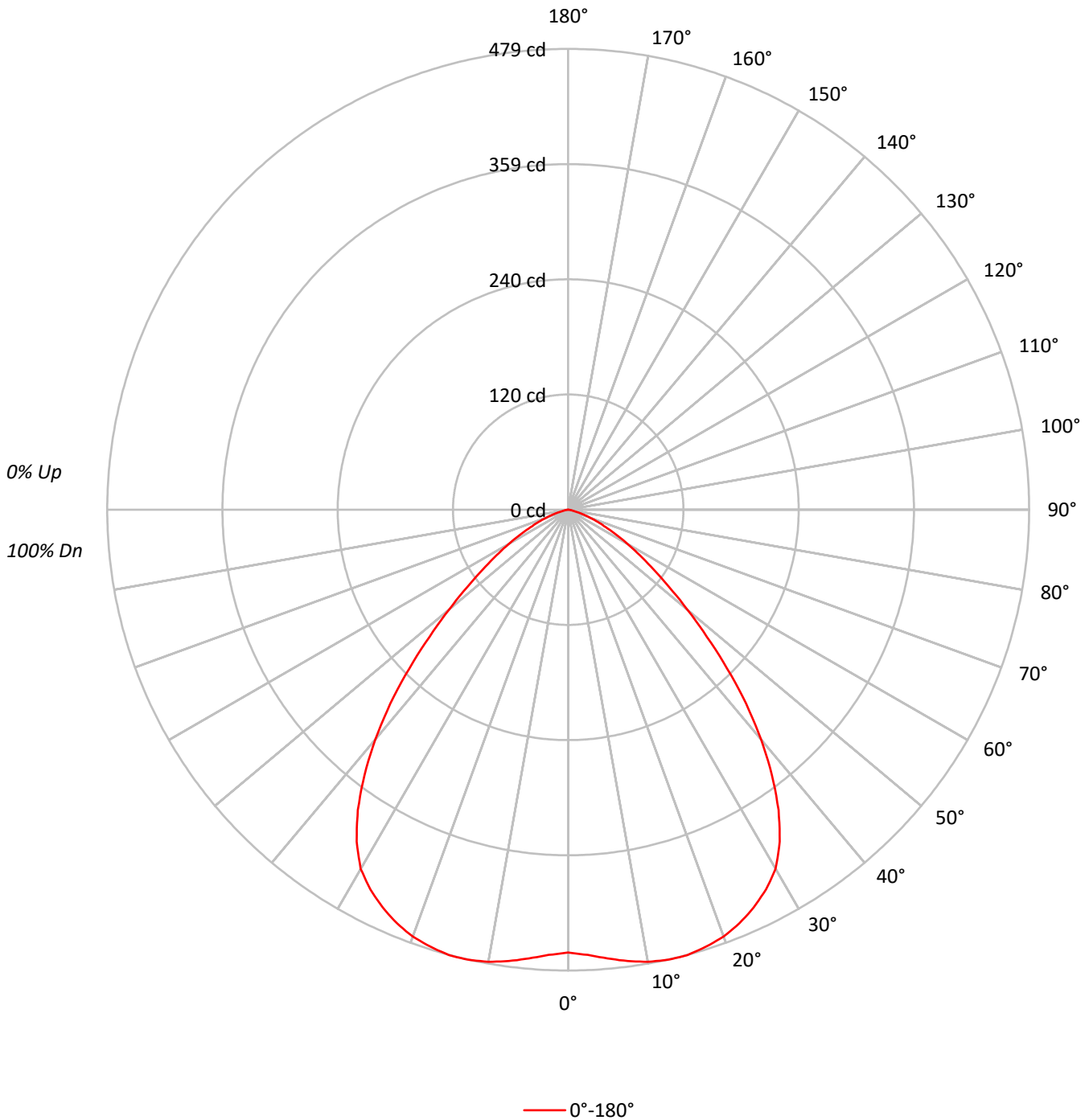
Input Watts (W): 10.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	30024
5°	30662
10°	31613
15°	32366
20°	32784
25°	32840
30°	32476
35°	30344
40°	26555
45°	21553
50°	16382
55°	12318
60°	9290
65°	6653
70°	4597
75°	2521
80°	1127
85°	749



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	4.7
10°-20°	135.2	14.0
20°-30°	209.8	21.8
30°-40°	235.6	24.5
40°-50°	180.3	18.7
50°-60°	99.1	10.3
60°-70°	44.4	4.6
70°-80°	12.0	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°	390.0	40.5
0°-40°	625.6	65.0
0°-60°	905.0	94.0
0°-90°	962.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	962.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	460	
5°	468	45
15°	479	135
25°	456	210
35°	381	236
45°	234	180
55°	108	99
65°	43	44
75°	10	12
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	460.2
2.5°	463.2
5°	468.2
7.5°	473.2
10°	477.2
12.5°	479.2
15°	479.2
17.5°	476.2
20°	472.2
22.5°	465.2
25°	456.2
27.5°	445.1
30°	431.1
32.5°	409.1
35°	381.0
37.5°	347.9
40°	311.8
42.5°	273.7
45°	233.6
47.5°	195.5
50°	161.4
52.5°	132.3
55°	108.3
57.5°	88.2
60°	71.2
62.5°	56.1
65°	43.1
67.5°	33.1
70°	24.1
72.5°	16.0
75°	10.0
77.5°	6.0
80°	3.0
82.5°	2.0
85°	1.0
87.5°	0.0
90°	0.0

(END OF REPORT)