

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: P303417

Luminaire Tested: **PR6FS12D010 PR6M12WD9FSMMS 1500Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303417
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 1500Lm3500K
Description: PR6 WIDE LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1228.7 lumens
Efficiency: N/A
Efficacy: 92.4 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

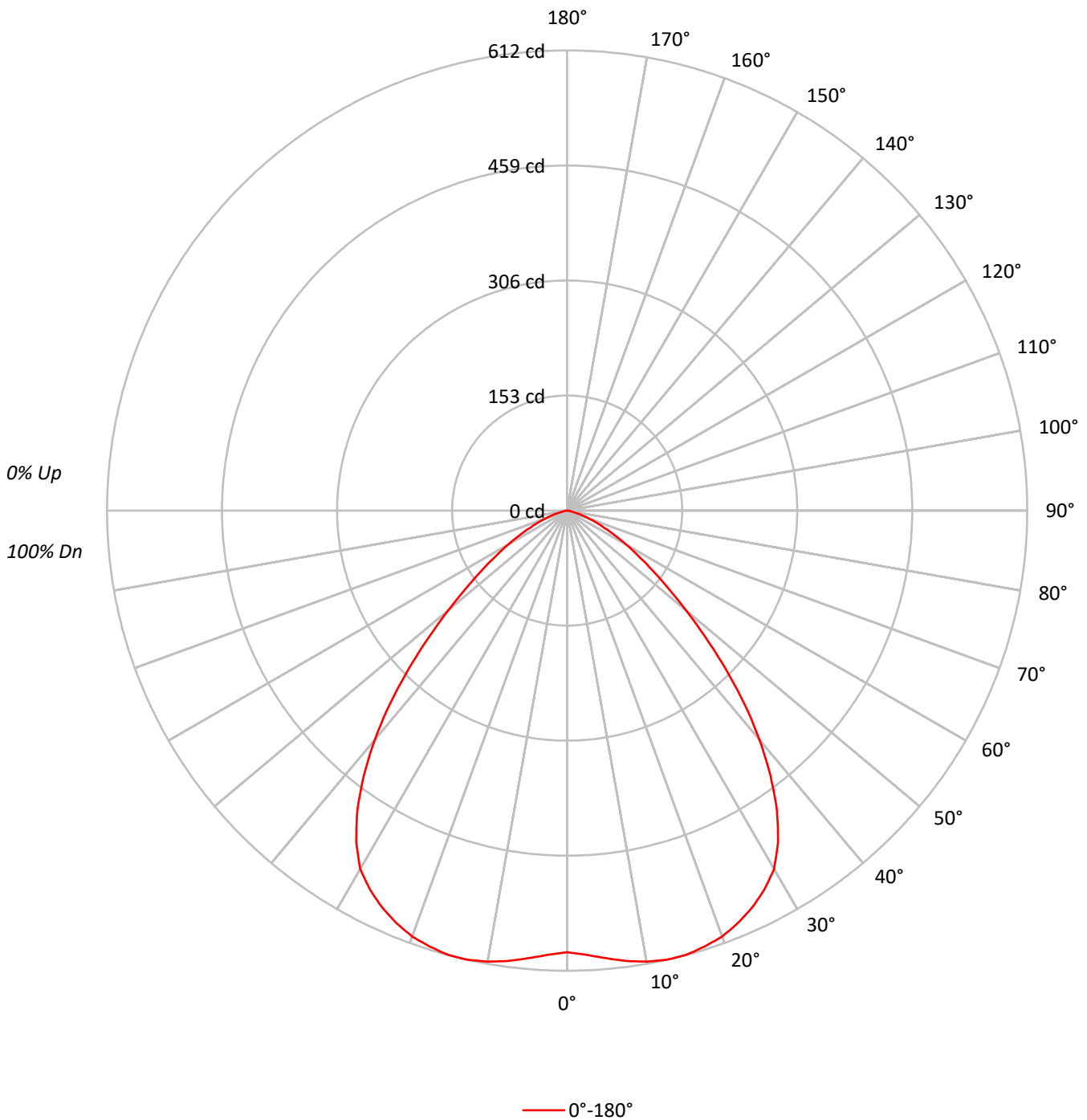
Input Watts (W): 13.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	38322
5°	39143
10°	40358
15°	41322
20°	41851
25°	41917
30°	41456
35°	38731
40°	33896
45°	27513
50°	20918
55°	15719
60°	11861
65°	8490
70°	5856
75°	3227
80°	1428
85°	973



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.4	4.7
10°-20°	172.6	14.1
20°-30°	267.9	21.8
30°-40°	300.7	24.5
40°-50°	230.1	18.7
50°-60°	126.5	10.3
60°-70°	56.6	4.6
70°-80°	15.3	1.2
80°-90°	1.6	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°	497.9	40.5
0°-40°	798.6	65.0
0°-60°	1155.2	94.0
0°-90°	1228.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1228.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	587	
5°	598	57
15°	612	173
25°	582	268
35°	486	301
45°	298	230
55°	138	126
65°	55	57
75°	13	15
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	587.4
2.5°	591.3
5°	597.7
7.5°	604.1
10°	609.2
12.5°	611.8
15°	611.8
17.5°	607.9
20°	602.8
22.5°	593.8
25°	582.3
27.5°	568.2
30°	550.3
32.5°	522.2
35°	486.3
37.5°	444.1
40°	398.0
42.5°	349.4
45°	298.2
47.5°	249.6
50°	206.1
52.5°	168.9
55°	138.2
57.5°	112.6
60°	90.9
62.5°	71.7
65°	55.0
67.5°	42.2
70°	30.7
72.5°	20.5
75°	12.8
77.5°	7.7
80°	3.8
82.5°	2.6
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)