

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: P303413

Luminaire Tested: **PR6FS12D010 PR6M12WD8FSMMS 1500Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303413
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 PR6M12WD8FSMMS 1500Lm3000K
Description: PR6 WIDE LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1424.7 lumens
Efficiency: N/A
Efficacy: 102.5 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

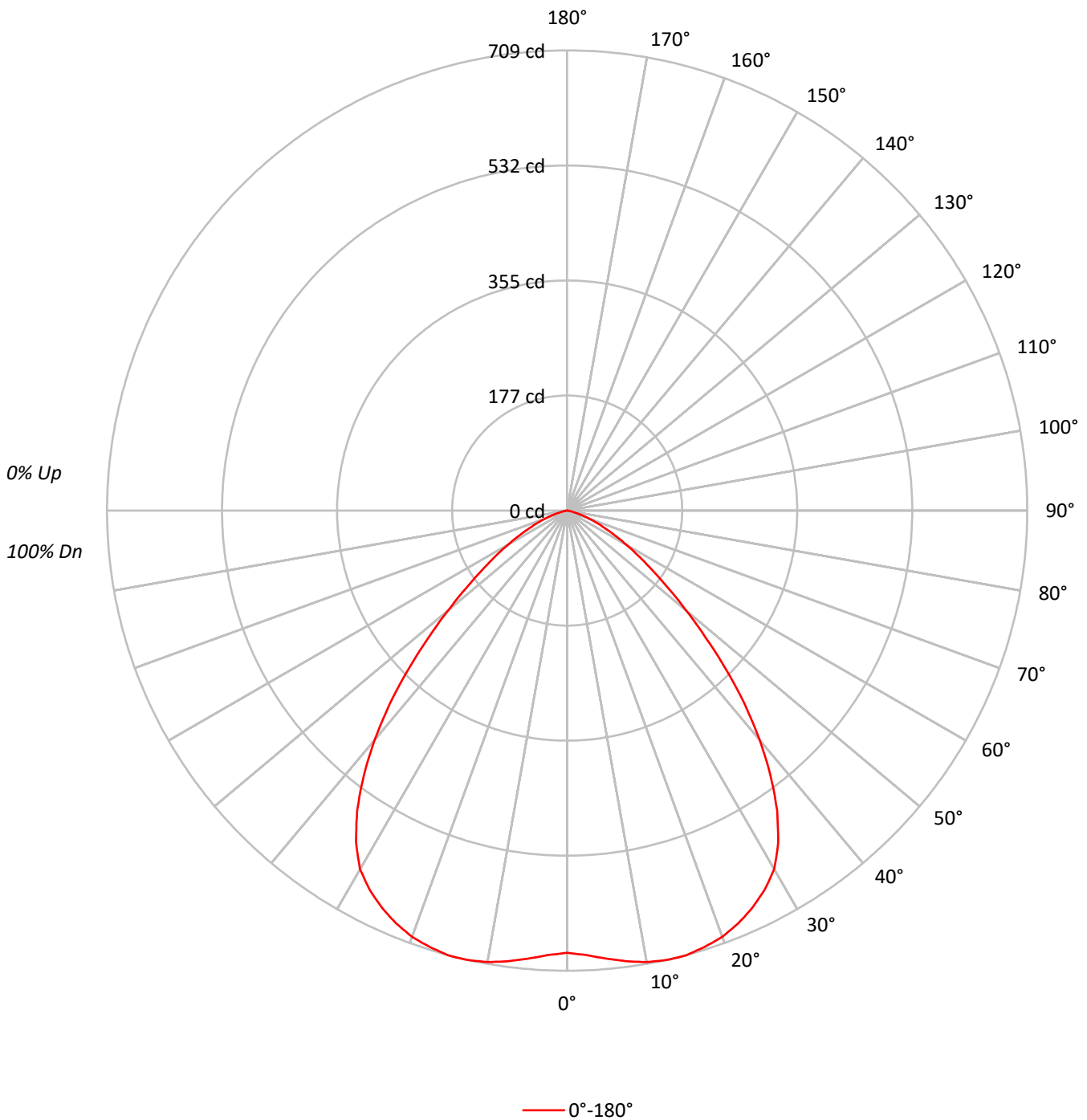
Input Watts (W): 13.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	44435
5°	45384
10°	46790
15°	47908
20°	48523
25°	48604
30°	48070
35°	44911
40°	39304
45°	31896
50°	24247
55°	18233
60°	13753
65°	9849
70°	6791
75°	3731
80°	1691
85°	1123



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	4.7
10°-20°	200.2	14.0
20°-30°	310.6	21.8
30°-40°	348.7	24.5
40°-50°	266.8	18.7
50°-60°	146.7	10.3
60°-70°	65.7	4.6
70°-80°	17.7	1.2
80°-90°	1.8	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°	577.3	40.5
0°-40°	926.0	65.0
0°-60°	1339.4	94.0
0°-90°	1424.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1424.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	681	
5°	693	67
15°	709	200
25°	675	311
35°	564	349
45°	346	267
55°	160	147
65°	64	66
75°	15	18
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	681.1
2.5°	685.5
5°	693.0
7.5°	700.4
10°	706.3
12.5°	709.3
15°	709.3
17.5°	704.8
20°	698.9
22.5°	688.5
25°	675.2
27.5°	658.8
30°	638.1
32.5°	605.4
35°	563.9
37.5°	514.9
40°	461.5
42.5°	405.1
45°	345.7
47.5°	289.4
50°	238.9
52.5°	195.9
55°	160.3
57.5°	130.6
60°	105.4
62.5°	83.1
65°	63.8
67.5°	49.0
70°	35.6
72.5°	23.7
75°	14.8
77.5°	8.9
80°	4.5
82.5°	3.0
85°	1.5
87.5°	0.0
90°	0.0

(END OF REPORT)