

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: P303325

Luminaire Tested: **PR6FS12D010 PR6M12MD8FSMMS 1500Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12MD8FSMMS 1500Lm4000K
Description: PR6 MEDIUM LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1565.1 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.25
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

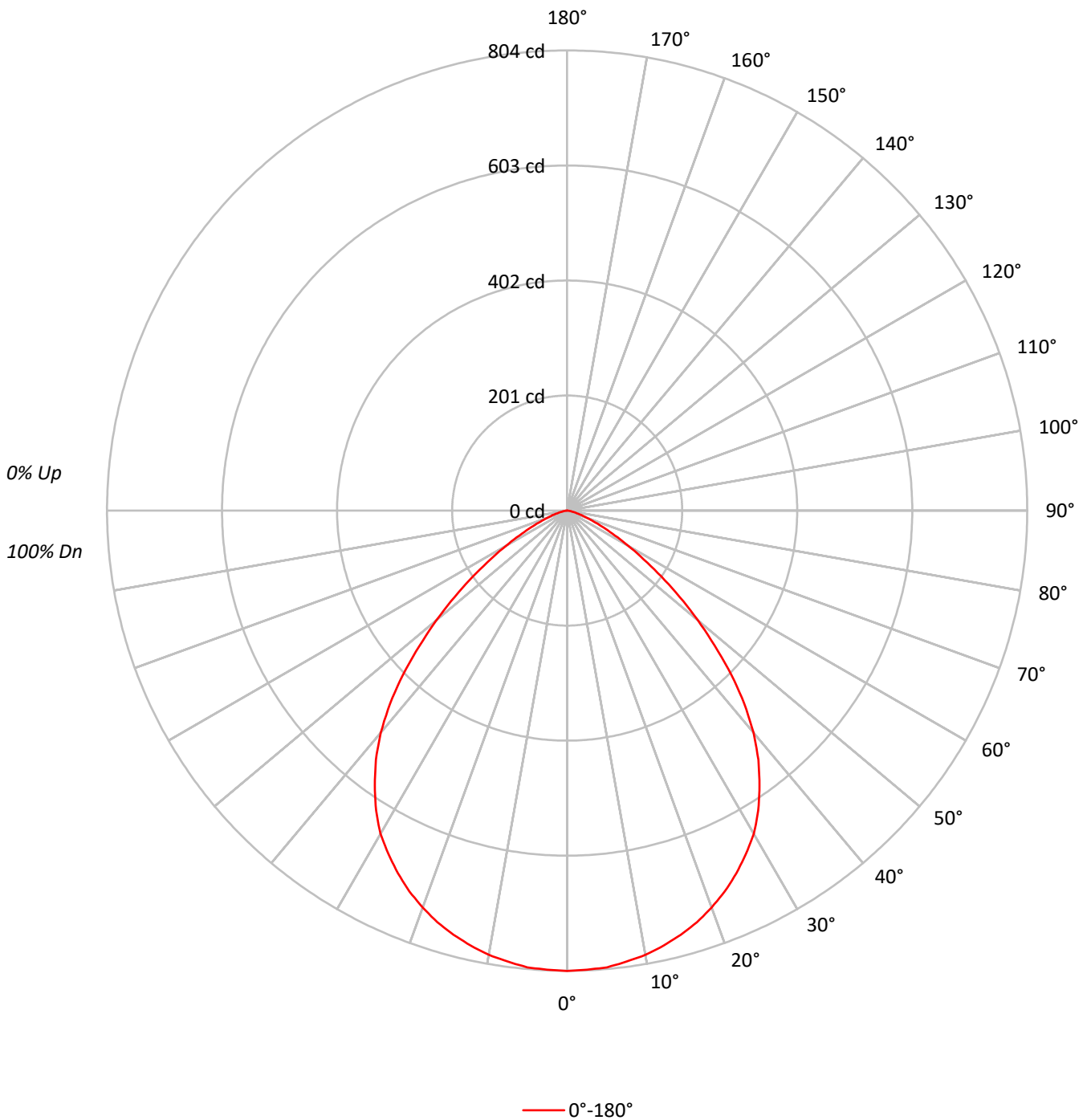
Input Watts (W): 13.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	97	92	87	101	95	90	86	92	88	84		89	85	82		86	83	81	79
3	96	87	81	75	94	86	80	75	83	78	74		80	76	72		78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65		73	68	64		71	67	63	61
5	83	72	64	58	81	71	63	58	69	62	57		67	61	57		65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		60	55	51	49
7	72	60	52	47	70	59	52	46	58	51	46		56	50	46		55	50	46	44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51	45	41	40
9	63	51	43	38	62	50	43	38	49	43	38		48	42	38		47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	39	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	52480
5°	52464
10°	52216
15°	51812
20°	51238
25°	50332
30°	49132
35°	46663
40°	43145
45°	37478
50°	30226
55°	22828
60°	16049
65°	10744
70°	6791
75°	4084
80°	2442
85°	1198



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	4.9
10°-20°	216.3	13.8
20°-30°	321.8	20.6
30°-40°	365.0	23.3
40°-50°	310.6	19.8
50°-60°	181.8	11.6
60°-70°	72.2	4.6
70°-80°	19.1	1.2
80°-90°	2.2	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°	614.1	39.2
0°-40°	979.1	62.6
0°-60°	1471.6	94.0
0°-90°	1565.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1565.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	804	
5°	801	76
15°	767	216
25°	699	322
35°	586	365
45°	406	311
55°	201	182
65°	70	72
75°	16	19
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	804.4
2.5°	802.8
5°	801.1
7.5°	794.7
10°	788.2
12.5°	778.5
15°	767.1
17.5°	754.2
20°	738.0
22.5°	720.2
25°	699.2
27.5°	676.5
30°	652.2
32.5°	621.5
35°	585.9
37.5°	548.7
40°	506.6
42.5°	458.0
45°	406.2
47.5°	349.6
50°	297.8
52.5°	247.6
55°	200.7
57.5°	158.6
60°	123.0
62.5°	93.9
65°	69.6
67.5°	50.2
70°	35.6
72.5°	25.9
75°	16.2
77.5°	9.7
80°	6.5
82.5°	3.2
85°	1.6
87.5°	0.0
90°	0.0

(END OF REPORT)