

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: P303348

Luminaire Tested: **PR6FS12D010 PR6M12MD8FSBZ 1000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303348
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-3)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12MD8FSBZ 1000Lm3500K
Description: PR6 MEDIUM LENS WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1201.0 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.24
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

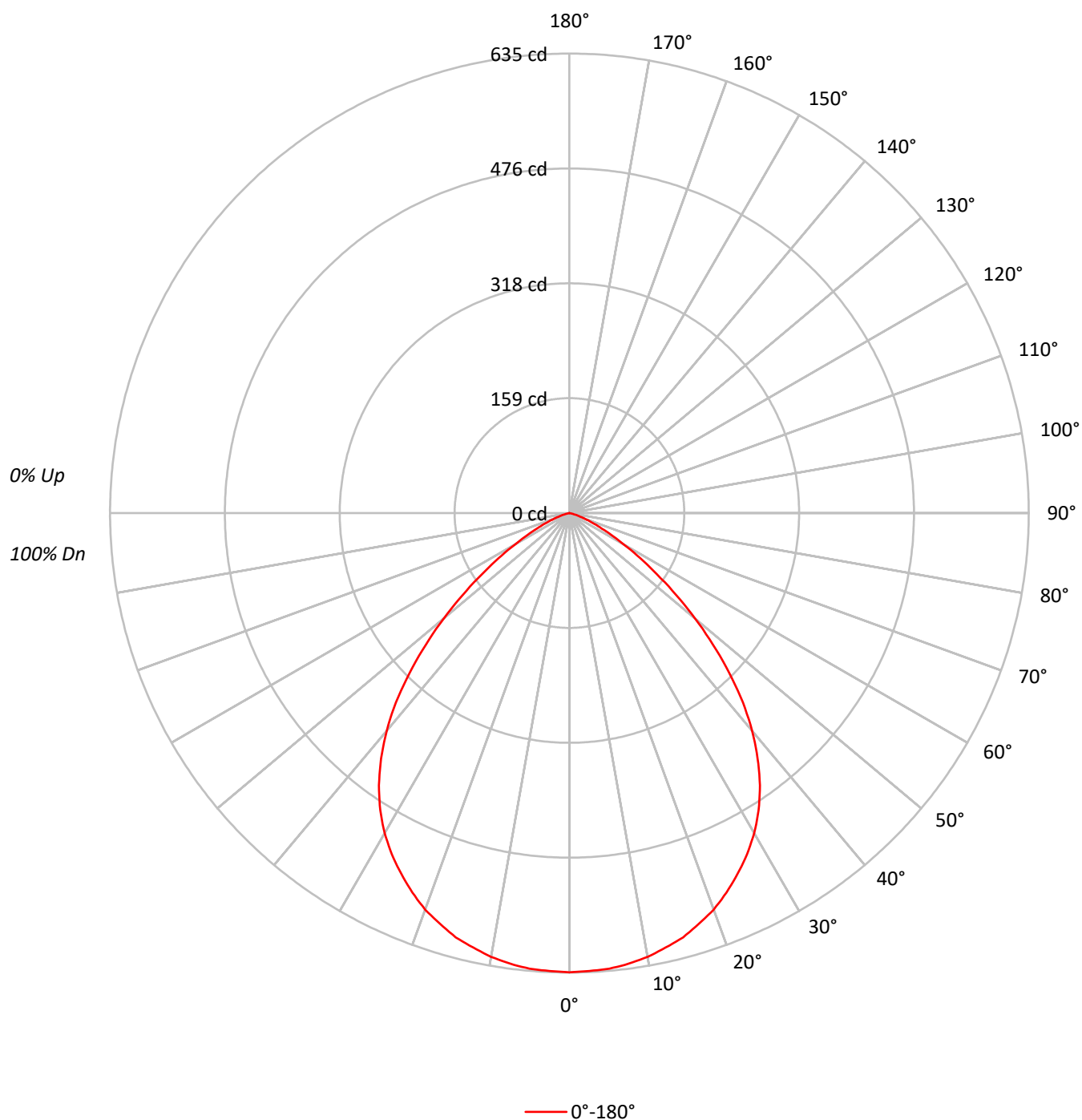
Input Watts (W): 10.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
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	101	102	100	97	98	96	94	95	93	92	90		
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	88	82	76	94	87	81	76	84	79	74	81	77	73	79	75	72	70		
4	90	80	73	67	88	78	72	67	76	70	66	74	69	65	72	68	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55		
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50		
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	46	45		
8	68	56	48	43	66	55	48	43	54	47	43	53	47	42	52	46	42	41		
9	64	52	44	39	62	51	44	39	50	43	39	49	43	39	48	43	39	37		
10	60	48	41	36	59	47	40	36	46	40	36	45	40	35	45	39	35	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	41408
5°	41396
10°	41259
15°	40998
20°	40490
25°	39606
30°	38473
35°	36573
40°	33487
45°	28851
50°	23040
55°	16811
60°	11365
65°	7132
70°	4025
75°	1664
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	5.0
10°-20°	170.9	14.2
20°-30°	253.2	21.1
30°-40°	285.3	23.8
40°-50°	239.7	20.0
50°-60°	135.0	11.2
60°-70°	48.4	4.0
70°-80°	8.6	0.7
80°-90°	0.0	0.0
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°	484.1	40.3
0°-40°	769.4	64.1
0°-60°	1144.0	95.3
0°-90°	1201.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1201.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	635	
5°	632	60
15°	607	171
25°	550	253
35°	459	285
45°	313	240
55°	148	135
65°	46	48
75°	7	9
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	634.7
2.5°	633.4
5°	632.1
7.5°	628.1
10°	622.8
12.5°	614.9
15°	607.0
17.5°	595.1
20°	583.2
22.5°	567.4
25°	550.2
27.5°	531.8
30°	510.7
32.5°	486.9
35°	459.2
37.5°	427.5
40°	393.2
42.5°	355.0
45°	312.7
47.5°	269.2
50°	227.0
52.5°	186.1
55°	147.8
57.5°	116.1
60°	87.1
62.5°	64.7
65°	46.2
67.5°	31.7
70°	21.1
72.5°	13.2
75°	6.6
77.5°	2.6
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)