

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: P303438

Luminaire Tested: **PR6FS12D010 PR6M12WD8FSBZ 1000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12WD8FSBZ 1000Lm3500K
Description: PR6 WIDE 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: 1189.3 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.26
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

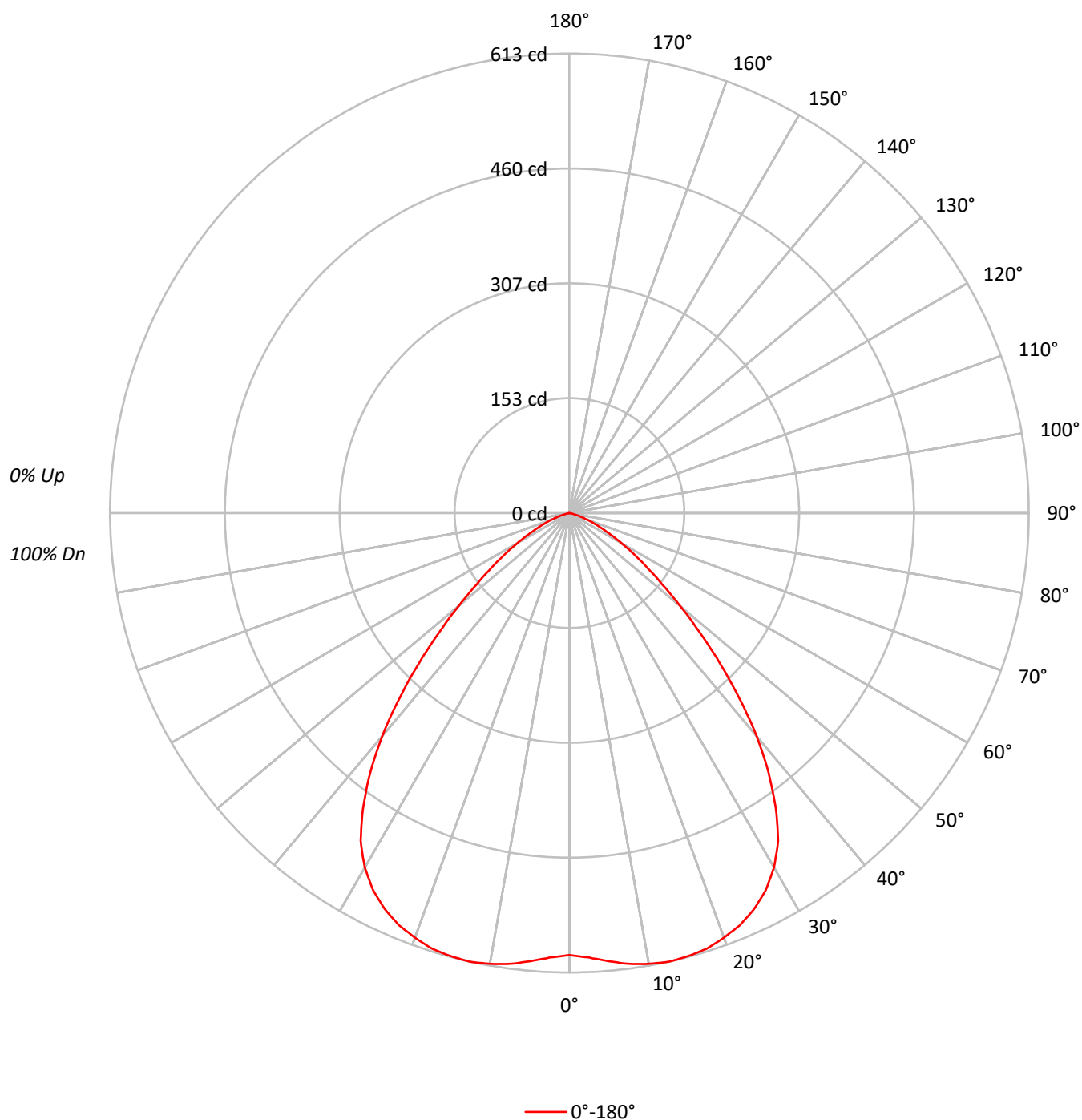
Input Watts (W): 10.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98	98	96	95	95	93	92	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80		
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	90	80	73	68	88	79	72	67	77	71	66	75	70	66	73	68	65	63		
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56		
6	78	67	59	54	76	66	59	53	64	58	53	63	57	53	61	56	52	50		
7	73	61	54	48	71	61	53	48	59	53	48	58	52	48	56	51	47	46		
8	68	56	49	44	67	56	49	44	55	48	43	53	48	43	52	47	43	41		
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	39	38		
10	60	48	41	37	59	48	41	37	47	41	36	46	40	36	45	40	36	35		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	38466
5°	39300
10°	40457
15°	41336
20°	41851
25°	41967
30°	41132
35°	38237
40°	33138
45°	26286
50°	19548
55°	14400
60°	10504
65°	7132
70°	4521
75°	1991
80°	488
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.6	4.8
10°-20°	172.9	14.5
20°-30°	267.6	22.5
30°-40°	296.9	25.0
40°-50°	220.2	18.5
50°-60°	115.8	9.7
60°-70°	47.9	4.0
70°-80°	10.2	0.9
80°-90°	0.2	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°	498.2	41.9
0°-40°	795.0	66.9
0°-60°	1131.0	95.1
0°-90°	1189.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1189.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	590	
5°	600	58
15°	612	173
25°	583	268
35°	480	297
45°	285	220
55°	127	116
65°	46	48
75°	8	10
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	589.6
2.5°	593.5
5°	600.1
7.5°	606.7
10°	610.7
12.5°	613.3
15°	612.0
17.5°	609.4
20°	602.8
22.5°	594.8
25°	583.0
27.5°	567.2
30°	546.0
32.5°	518.4
35°	480.1
37.5°	436.6
40°	389.1
42.5°	336.3
45°	284.9
47.5°	236.1
50°	192.6
52.5°	155.6
55°	126.6
57.5°	101.6
60°	80.5
62.5°	62.0
65°	46.2
67.5°	34.3
70°	23.7
72.5°	15.8
75°	7.9
77.5°	2.6
80°	1.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)