

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: P303441

Luminaire Tested: **PR6FS12D010 PR6M12WD9FSBZ 1000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303441
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 PR6M12WD9FSBZ 1000Lm3500K
Description: PR6 WIDE LENS WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 901.9 lumens
Efficiency: N/A
Efficacy: 89.3 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

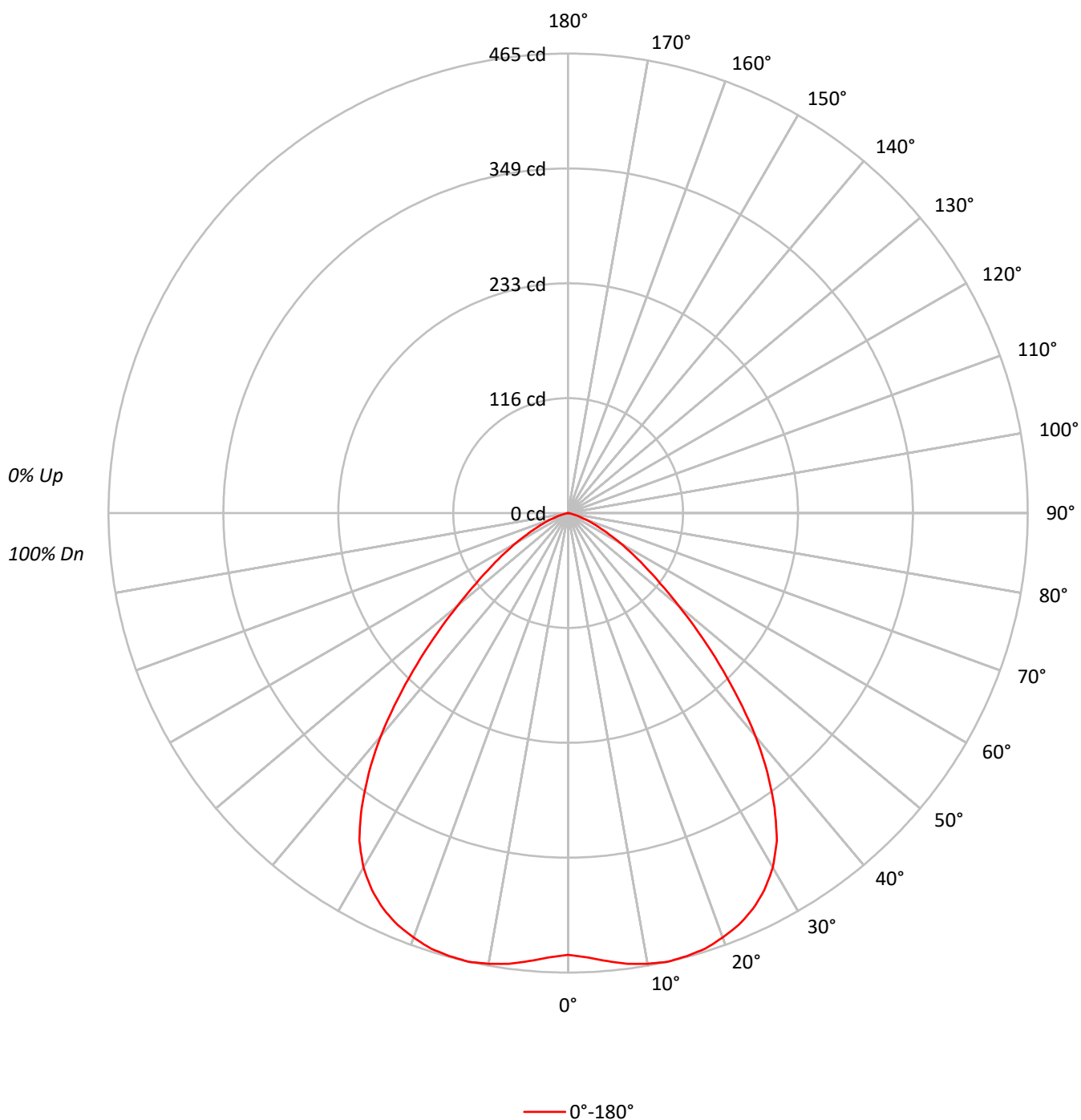
Input Watts (W): 10.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	29169
5°	29804
10°	30679
15°	31346
20°	31735
25°	31825
30°	31196
35°	28998
40°	25132
45°	19938
50°	14818
55°	10919
60°	7959
65°	5403
70°	3434
75°	1512
80°	376
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.7	4.8
10°-20°	131.1	14.5
20°-30°	203.0	22.5
30°-40°	225.1	25.0
40°-50°	167.0	18.5
50°-60°	87.8	9.7
60°-70°	36.3	4.0
70°-80°	7.7	0.9
80°-90°	0.1	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°	377.8	41.9
0°-40°	602.9	66.9
0°-60°	857.7	95.1
0°-90°	901.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	901.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	447	
5°	455	44
15°	464	131
25°	442	203
35°	364	225
45°	216	167
55°	96	88
65°	35	36
75°	6	8
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	447.1
2.5°	450.1
5°	455.1
7.5°	460.1
10°	463.1
12.5°	465.1
15°	464.1
17.5°	462.1
20°	457.1
22.5°	451.1
25°	442.1
27.5°	430.1
30°	414.1
32.5°	393.1
35°	364.1
37.5°	331.1
40°	295.1
42.5°	255.1
45°	216.1
47.5°	179.0
50°	146.0
52.5°	118.0
55°	96.0
57.5°	77.0
60°	61.0
62.5°	47.0
65°	35.0
67.5°	26.0
70°	18.0
72.5°	12.0
75°	6.0
77.5°	2.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)