

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: P303447

Luminaire Tested: **PR6FS12D010 PR6M12WD9FSBZ 1500Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303447
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 1500Lm3500K
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: 1154.6 lumens
Efficiency: N/A
Efficacy: 86.8 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

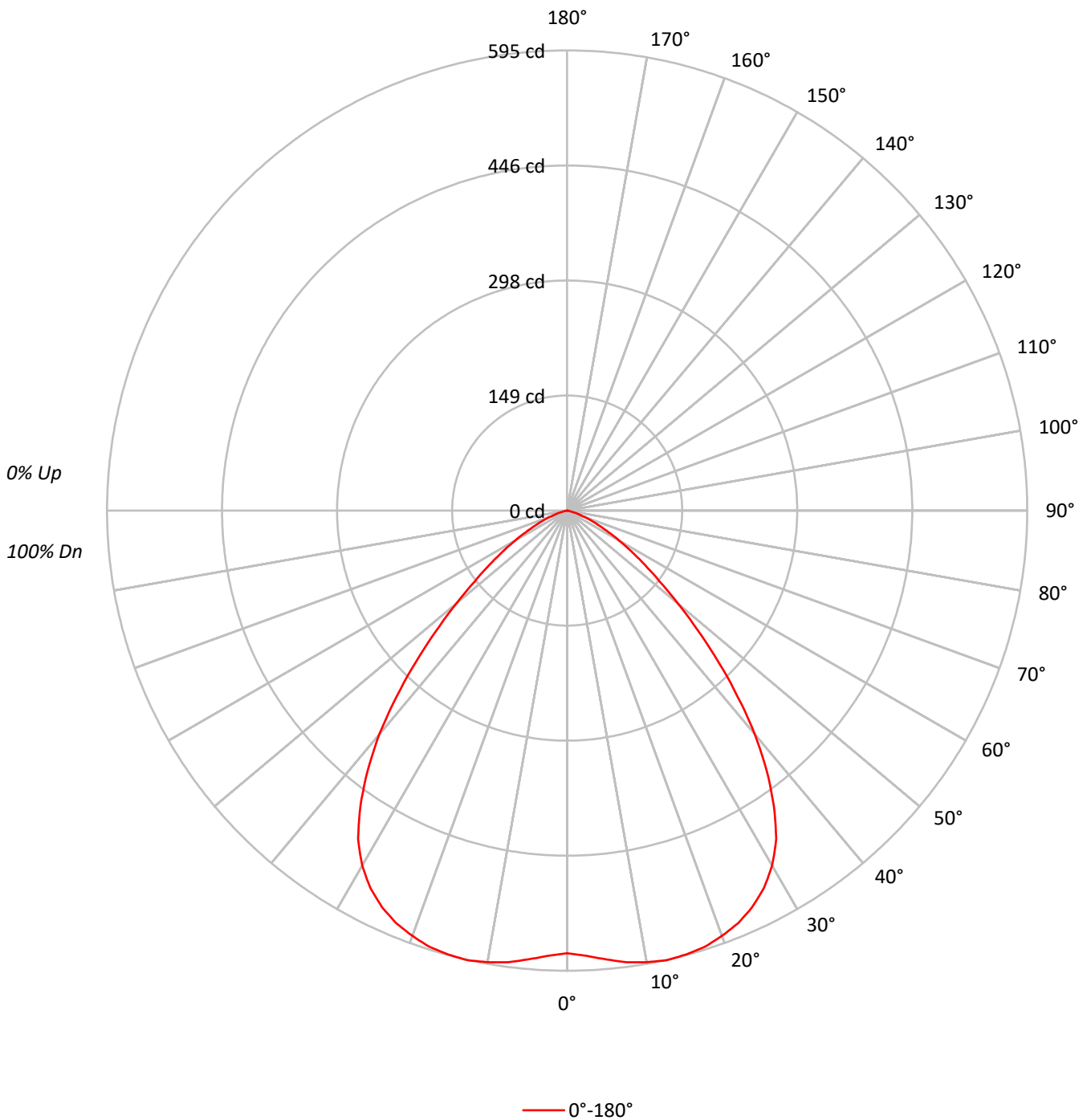
Input Watts (W): 13.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	37344
5°	38154
10°	39278
15°	40133
20°	40629
25°	40744
30°	39934
35°	37122
40°	32176
45°	25520
50°	18980
55°	13979
60°	10191
65°	6916
70°	4387
75°	1941
80°	488
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.9	4.8
10°-20°	167.9	14.5
20°-30°	259.8	22.5
30°-40°	288.2	25.0
40°-50°	213.8	18.5
50°-60°	112.4	9.7
60°-70°	46.5	4.0
70°-80°	9.9	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°	483.6	41.9
0°-40°	771.8	66.8
0°-60°	1098.0	95.1
0°-90°	1154.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1154.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	572	
5°	583	56
15°	594	168
25°	566	260
35°	466	288
45°	277	214
55°	123	112
65°	45	47
75°	8	10
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	572.4
2.5°	576.2
5°	582.6
7.5°	589.0
10°	592.9
12.5°	595.4
15°	594.2
17.5°	591.6
20°	585.2
22.5°	577.5
25°	566.0
27.5°	550.6
30°	530.1
32.5°	503.2
35°	466.1
37.5°	423.9
40°	377.8
42.5°	326.5
45°	276.6
47.5°	229.2
50°	187.0
52.5°	151.1
55°	122.9
57.5°	98.6
60°	78.1
62.5°	60.2
65°	44.8
67.5°	33.3
70°	23.0
72.5°	15.4
75°	7.7
77.5°	2.6
80°	1.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)