

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: P303448

Luminaire Tested: **PR6FS12D010 PR6M12WD9FSBZ 1500Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303448
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 1500Lm4000K
Description: PR6 WIDE LENS WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1131.4 lumens
Efficiency: N/A
Efficacy: 81.4 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

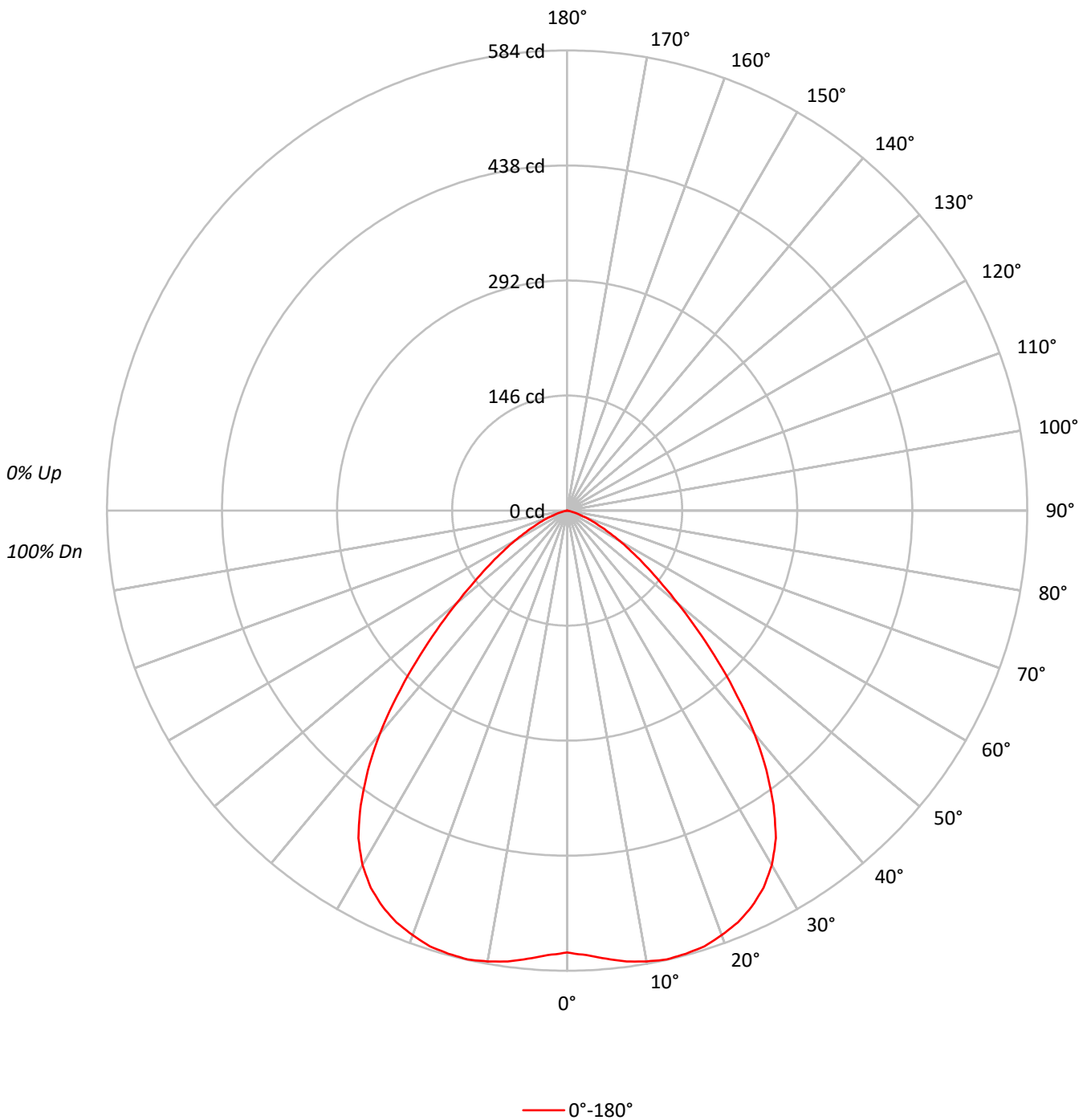
Input Watts (W): 13.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303448

CATALOG NUMBER: PR6FS12D010 PR6M12WD9FSBZ 1500Lm4000K

Luminous Intensity Polar Plot





TEST NUMBER: P303448

CATALOG NUMBER: PR6FS12D010 PR6M12WD9FSBZ 1500Lm4000K

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°	36593
5°	37388
10°	38490
15°	39323
20°	39810
25°	39923
30°	39136
35°	36373
40°	31528
45°	25004
50°	18594
55°	13706
60°	9982
65°	6777
70°	4311
75°	1891
80°	488
85°	0



TEST NUMBER: P303448

CATALOG NUMBER: PR6FS12D010 PR6M12WD9FSBZ 1500Lm4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	4.8
10°-20°	164.5	14.5
20°-30°	254.6	22.5
30°-40°	282.4	25.0
40°-50°	209.5	18.5
50°-60°	110.1	9.7
60°-70°	45.6	4.0
70°-80°	9.7	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°	473.9	41.9
0°-40°	756.3	66.8
0°-60°	1075.9	95.1
0°-90°	1131.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1131.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	561	
5°	571	55
15°	582	164
25°	555	255
35°	457	282
45°	271	209
55°	120	110
65°	44	46
75°	8	10
85°	0	0
90°	0	



TEST NUMBER: P303448

CATALOG NUMBER: PR6FS12D010 PR6M12WD9FSBZ 1500Lm4000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	560.9
2.5°	564.7
5°	570.9
7.5°	577.2
10°	581.0
12.5°	583.5
15°	582.2
17.5°	579.7
20°	573.4
22.5°	565.9
25°	554.6
27.5°	539.6
30°	519.5
32.5°	493.1
35°	456.7
37.5°	415.3
40°	370.2
42.5°	320.0
45°	271.0
47.5°	224.6
50°	183.2
52.5°	148.1
55°	120.5
57.5°	96.6
60°	76.5
62.5°	59.0
65°	43.9
67.5°	32.6
70°	22.6
72.5°	15.1
75°	7.5
77.5°	2.5
80°	1.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)