

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: P303461

Luminaire Tested: **PR6FS24D010 PR6M24WD8FSBZ 4000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303461
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: PR6FS24D010 PR6M24WD8FSBZ 4000Lm3000K
Description: PR6 WIDE LENS WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3509.4 lumens
Efficiency: N/A
Efficacy: 78.0 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

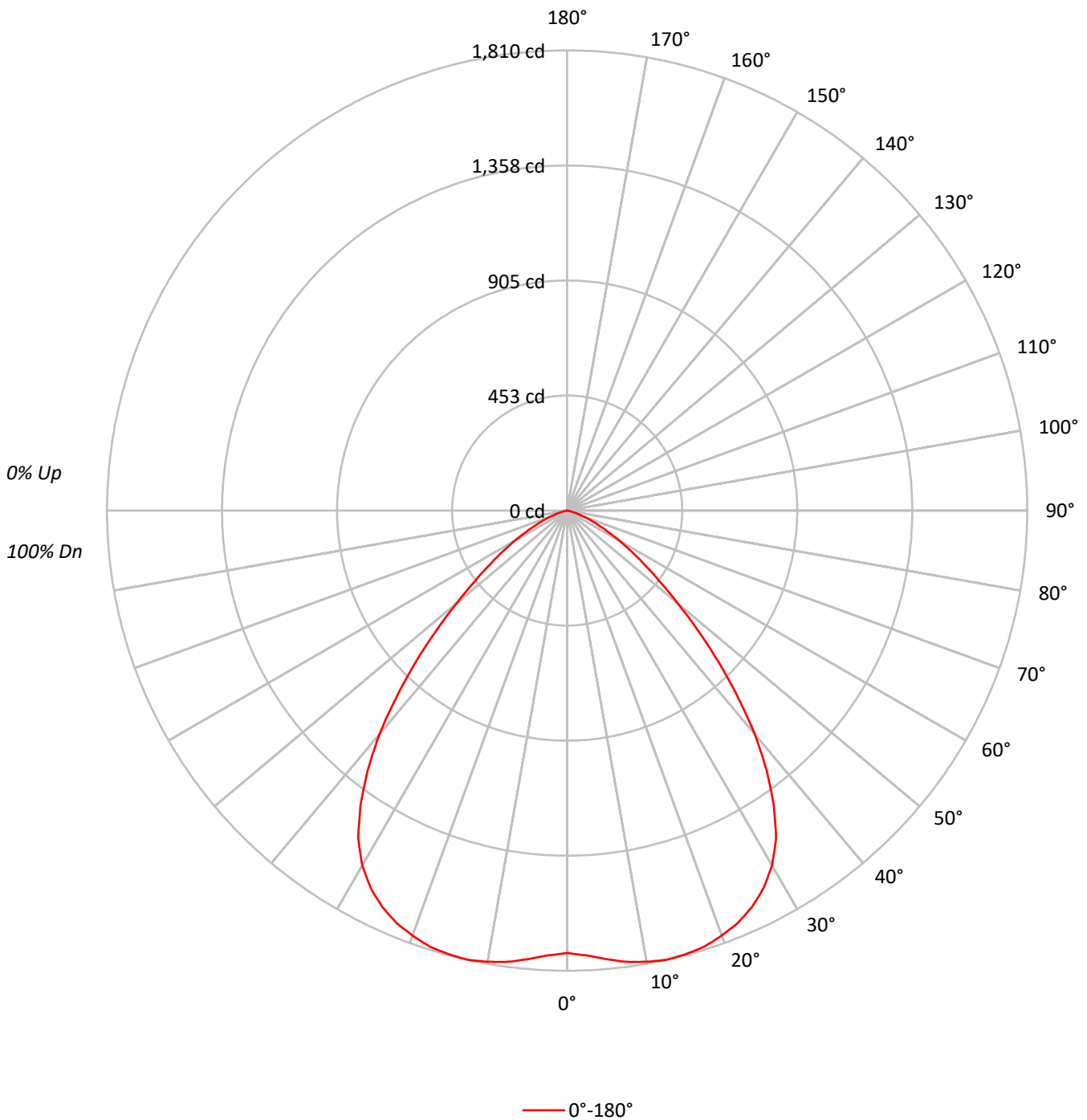
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303461

CATALOG NUMBER: PR6FS24D010 PR6M24WD8FSBZ 4000Lm3000K

Luminous Intensity Polar Plot





TEST NUMBER: P303461

CATALOG NUMBER: PR6FS24D010 PR6M24WD8FSBZ 4000Lm3000K

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°	113506
5°	115976
10°	119377
15°	121974
20°	123491
25°	123836
30°	121385
35°	112832
40°	97787
45°	77566
50°	57670
55°	42495
60°	30976
65°	21026
70°	13372
75°	5898
80°	1465
85°	0



TEST NUMBER: P303461

CATALOG NUMBER: PR6FS24D010 PR6M24WD8FSBZ 4000Lm3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.1	4.8
10°-20°	510.2	14.5
20°-30°	789.7	22.5
30°-40°	876.0	25.0
40°-50°	649.8	18.5
50°-60°	341.6	9.7
60°-70°	141.4	4.0
70°-80°	30.1	0.9
80°-90°	0.5	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°	1470.0	41.9
0°-40°	2346.0	66.8
0°-60°	3337.3	95.1
0°-90°	3509.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3509.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1740	
5°	1771	170
15°	1806	510
25°	1720	790
35°	1417	876
45°	841	650
55°	374	342
65°	136	141
75°	23	30
85°	0	1
90°	0	



TEST NUMBER: P303461

CATALOG NUMBER: PR6FS24D010 PR6M24WD8FSBZ 4000Lm3000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	1739.8
2.5°	1751.4
5°	1770.9
7.5°	1790.4
10°	1802.0
12.5°	1809.8
15°	1805.9
17.5°	1798.1
20°	1778.7
22.5°	1755.3
25°	1720.3
27.5°	1673.6
30°	1611.3
32.5°	1529.6
35°	1416.7
37.5°	1288.3
40°	1148.2
42.5°	992.5
45°	840.7
47.5°	696.7
50°	568.2
52.5°	459.3
55°	373.6
57.5°	299.7
60°	237.4
62.5°	182.9
65°	136.2
67.5°	101.2
70°	70.1
72.5°	46.7
75°	23.4
77.5°	7.8
80°	3.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)