

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: P303631

Luminaire Tested: **PR6FS12D010 PR6M12WD8FSMW 2000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303631
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12WD8FSMW 2000Lm4000K
Description: PR6 WIDE LENS WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2540.3 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.28
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

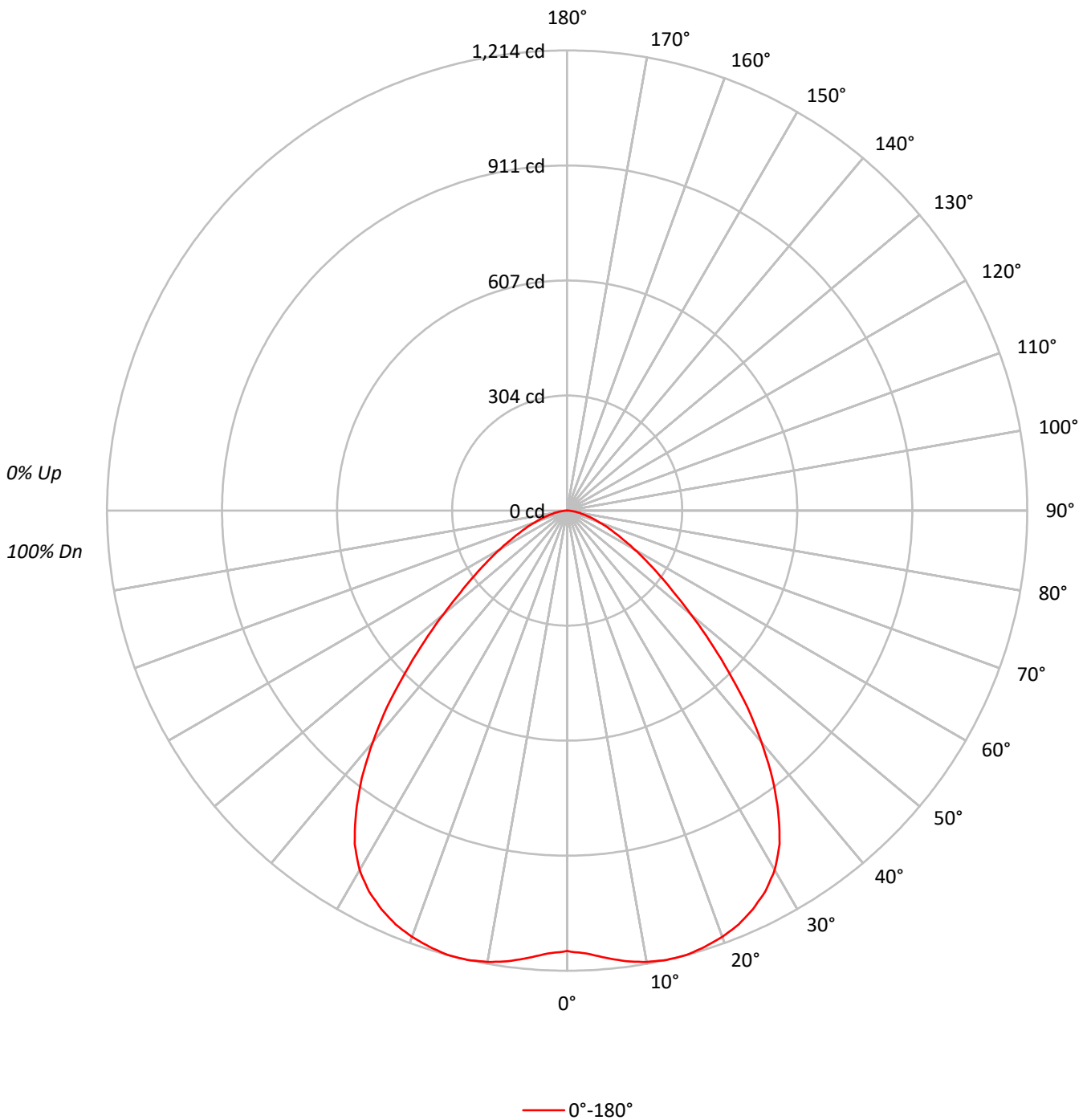
Input Watts (W): 22
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303631

CATALOG NUMBER: PR6FS12D010 PR6M12WD8FSMW 2000Lm4000K

Luminous Intensity Polar Plot





TEST NUMBER: P303631

CATALOG NUMBER: PR6FS12D010 PR6M12WD8FSMW 2000Lm4000K

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	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89
2	103	96	91	86	101	94	89	85	91	87	83	88	84	81	85	82	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68
4	88	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60
5	82	71	63	57	80	70	63	57	68	61	57	66	60	56	64	59	55	54
6	76	65	57	51	75	64	56	51	62	55	51	61	55	50	59	54	50	48
7	71	59	51	46	70	58	51	46	57	50	45	56	50	45	54	49	45	43
8	67	54	47	42	65	54	47	41	53	46	41	51	45	41	50	45	41	39
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	35
10	59	47	39	35	58	46	39	34	45	39	34	44	38	34	43	38	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	75816
5°	77566
10°	80106
15°	82010
20°	83091
25°	83481
30°	82505
35°	77358
40°	67954
45°	55552
50°	43258
55°	33816
60°	26840
65°	21427
70°	17015
75°	13738
80°	11158
85°	7411



TEST NUMBER: P303631

CATALOG NUMBER: PR6FS12D010 PR6M12WD8FSMW 2000Lm4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.9	4.5
10°-20°	342.7	13.5
20°-30°	533.3	21.0
30°-40°	601.1	23.7
40°-50°	466.1	18.3
50°-60°	270.7	10.7
60°-70°	140.4	5.5
70°-80°	59.4	2.3
80°-90°	12.8	0.5
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°	989.8	39.0
0°-40°	1590.9	62.6
0°-60°	2327.7	91.6
0°-90°	2540.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2540.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1162	
5°	1184	114
15°	1214	343
25°	1160	533
35°	971	601
45°	602	466
55°	297	271
65°	139	140
75°	54	59
85°	10	13
90°	0	



TEST NUMBER: P303631

CATALOG NUMBER: PR6FS12D010 PR6M12WD8FSMW 2000Lm4000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1162.1
2.5°	1169.6
5°	1184.4
7.5°	1199.3
10°	1209.2
12.5°	1214.2
15°	1214.2
17.5°	1206.7
20°	1196.8
22.5°	1182.0
25°	1159.7
27.5°	1132.4
30°	1095.2
32.5°	1043.2
35°	971.3
37.5°	889.6
40°	797.9
42.5°	703.7
45°	602.1
47.5°	510.4
50°	426.2
52.5°	354.3
55°	297.3
57.5°	247.8
60°	205.7
62.5°	168.5
65°	138.8
67.5°	114.0
70°	89.2
72.5°	71.9
75°	54.5
77.5°	39.6
80°	29.7
82.5°	19.8
85°	9.9
87.5°	2.5
90°	0.0

(END OF REPORT)