

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: P303629

Luminaire Tested: **PR6FS12D010 PR6M12WD8FSMW 2000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303629
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 2000Lm3000K
Description: PR6 WIDE LENS WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2158.9 lumens
Efficiency: N/A
Efficacy: 98.1 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

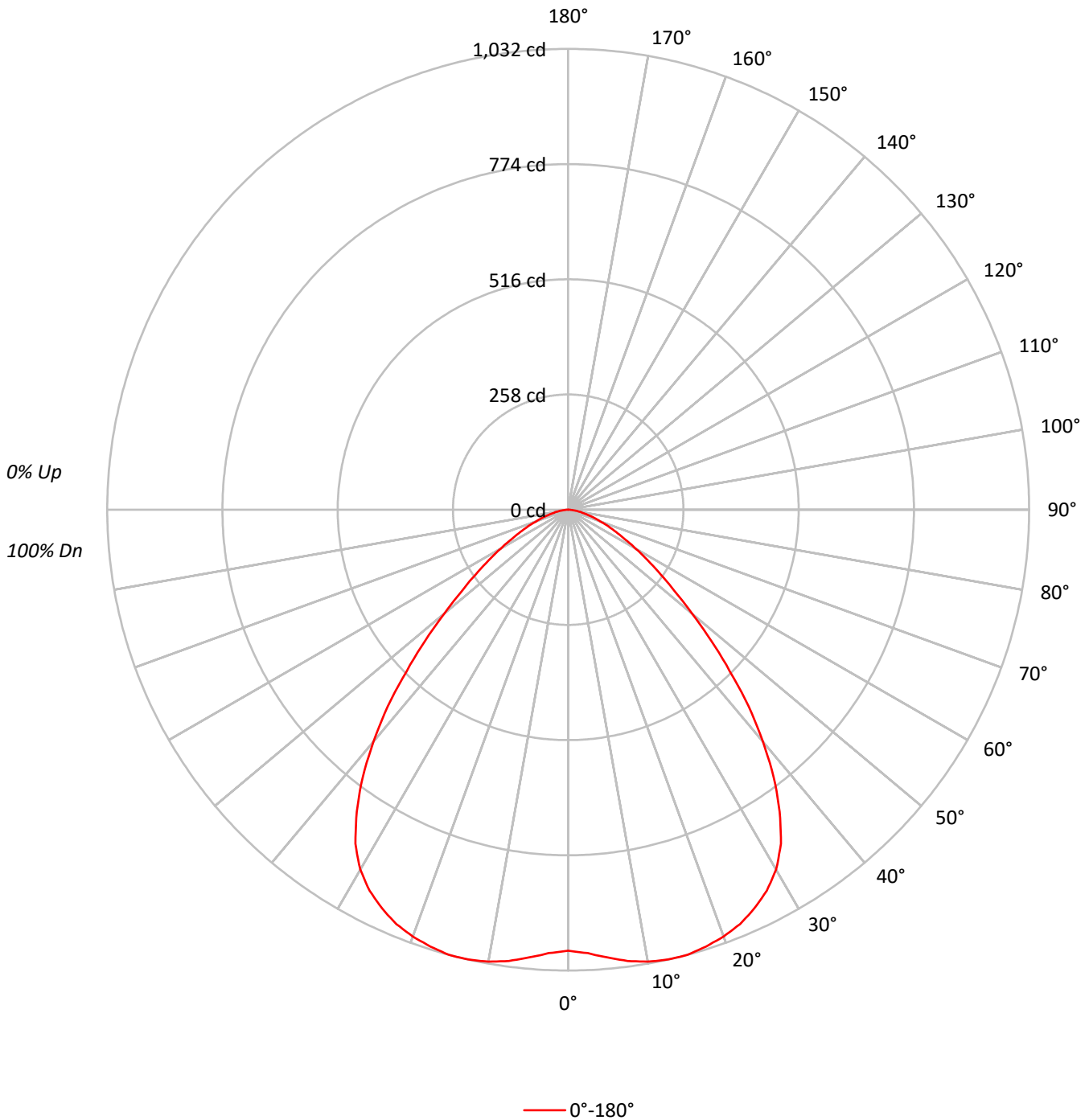
Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303629

CATALOG NUMBER: PR6FS12D010 PR6M12WD8FSMW 2000Lm3000K

Luminous Intensity Polar Plot





TEST NUMBER: P303629

CATALOG NUMBER: PR6FS12D010 PR6M12WD8FSMW 2000Lm3000K

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°	64438
5°	65922
10°	68082
15°	69697
20°	70622
25°	70948
30°	70120
35°	65746
40°	57751
45°	47212
50°	36762
55°	28743
60°	22808
65°	18201
70°	14459
75°	11671
80°	9505
85°	6288



TEST NUMBER: P303629

CATALOG NUMBER: PR6FS12D010 PR6M12WD8FSMW 2000Lm3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	4.5
10°-20°	291.2	13.5
20°-30°	453.2	21.0
30°-40°	510.8	23.7
40°-50°	396.2	18.4
50°-60°	230.1	10.7
60°-70°	119.3	5.5
70°-80°	50.5	2.3
80°-90°	10.9	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°	841.2	39.0
0°-40°	1352.0	62.6
0°-60°	1978.3	91.6
0°-90°	2158.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2158.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	988	
5°	1007	97
15°	1032	291
25°	986	453
35°	826	511
45°	512	396
55°	253	230
65°	118	119
75°	46	50
85°	8	11
90°	0	



TEST NUMBER: P303629

CATALOG NUMBER: PR6FS12D010 PR6M12WD8FSMW 2000Lm3000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	987.7
2.5°	994.0
5°	1006.6
7.5°	1019.3
10°	1027.7
12.5°	1031.9
15°	1031.9
17.5°	1025.6
20°	1017.2
22.5°	1004.5
25°	985.6
27.5°	962.4
30°	930.8
32.5°	886.6
35°	825.5
37.5°	756.0
40°	678.1
42.5°	598.1
45°	511.7
47.5°	433.8
50°	362.2
52.5°	301.1
55°	252.7
57.5°	210.6
60°	174.8
62.5°	143.2
65°	117.9
67.5°	96.9
70°	75.8
72.5°	61.1
75°	46.3
77.5°	33.7
80°	25.3
82.5°	16.8
85°	8.4
87.5°	2.1
90°	0.0

(END OF REPORT)