

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: P303377

Luminaire Tested: **PR6FS12D010 PR6M12WD8FSMW 1000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303377
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 1000Lm3000K
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: 1188.4 lumens
Efficiency: N/A
Efficacy: 114.3 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

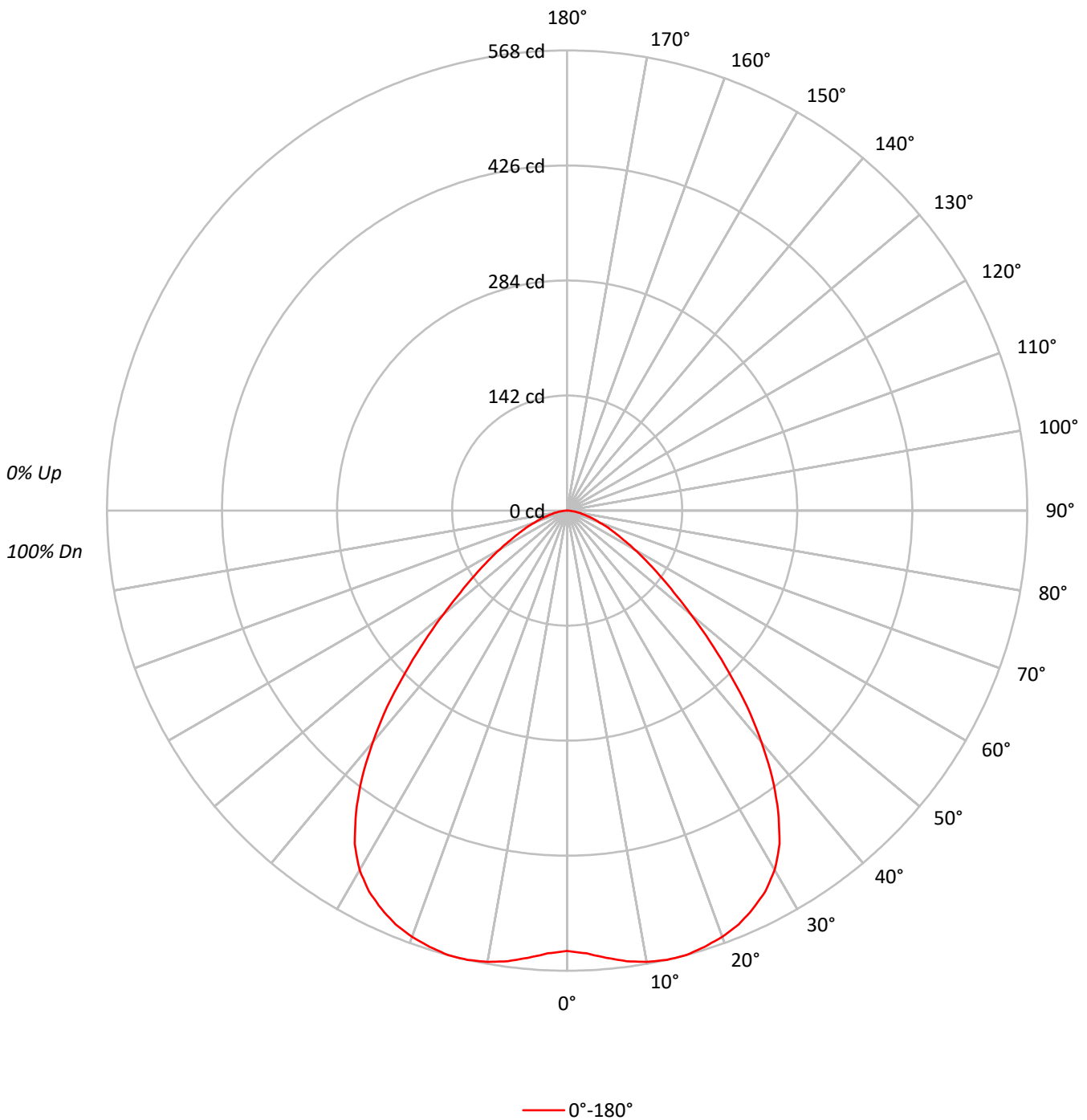
Input Watts (W): 10.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303377

CATALOG NUMBER: PR6FS12D010 PR6M12WD8FSMW 1000Lm3000K

Luminous Intensity Polar Plot





TEST NUMBER: P303377

CATALOG NUMBER: PR6FS12D010 PR6M12WD8FSMW 1000Lm3000K

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°	35471
5°	36288
10°	37476
15°	38364
20°	38873
25°	39052
30°	38601
35°	36190
40°	31792
45°	25991
50°	20238
55°	15822
60°	12552
65°	10019
70°	7954
75°	6428
80°	5222
85°	3443



TEST NUMBER: P303377

CATALOG NUMBER: PR6FS12D010 PR6M12WD8FSMW 1000Lm3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.3	4.5
10°-20°	160.3	13.5
20°-30°	249.5	21.0
30°-40°	281.2	23.7
40°-50°	218.1	18.4
50°-60°	126.7	10.7
60°-70°	65.7	5.5
70°-80°	27.8	2.3
80°-90°	6.0	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°	463.0	39.0
0°-40°	744.2	62.6
0°-60°	1089.0	91.6
0°-90°	1188.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1188.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	544	
5°	554	53
15°	568	160
25°	542	249
35°	454	281
45°	282	218
55°	139	127
65°	65	66
75°	26	28
85°	5	6
90°	0	



TEST NUMBER: P303377

CATALOG NUMBER: PR6FS12D010 PR6M12WD8FSMW 1000Lm3000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	543.7
2.5°	547.1
5°	554.1
7.5°	561.0
10°	565.7
12.5°	568.0
15°	568.0
17.5°	564.5
20°	559.9
22.5°	552.9
25°	542.5
27.5°	529.8
30°	512.4
32.5°	488.0
35°	454.4
37.5°	416.2
40°	373.3
42.5°	329.2
45°	281.7
47.5°	238.8
50°	199.4
52.5°	165.8
55°	139.1
57.5°	115.9
60°	96.2
62.5°	78.8
65°	64.9
67.5°	53.3
70°	41.7
72.5°	33.6
75°	25.5
77.5°	18.5
80°	13.9
82.5°	9.3
85°	4.6
87.5°	1.2
90°	0.0

(END OF REPORT)