

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: P303605

Luminaire Tested: **PR6FS12D010 PR6M12MD8FSBZ 2000Lm3000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303605  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-3)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS12D010 PR6M12MD8FSBZ 2000Lm3000K  
Description: PR6 MEDIUM 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: 1918.5 lumens  
Efficiency: N/A  
Efficacy: 87.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.24  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

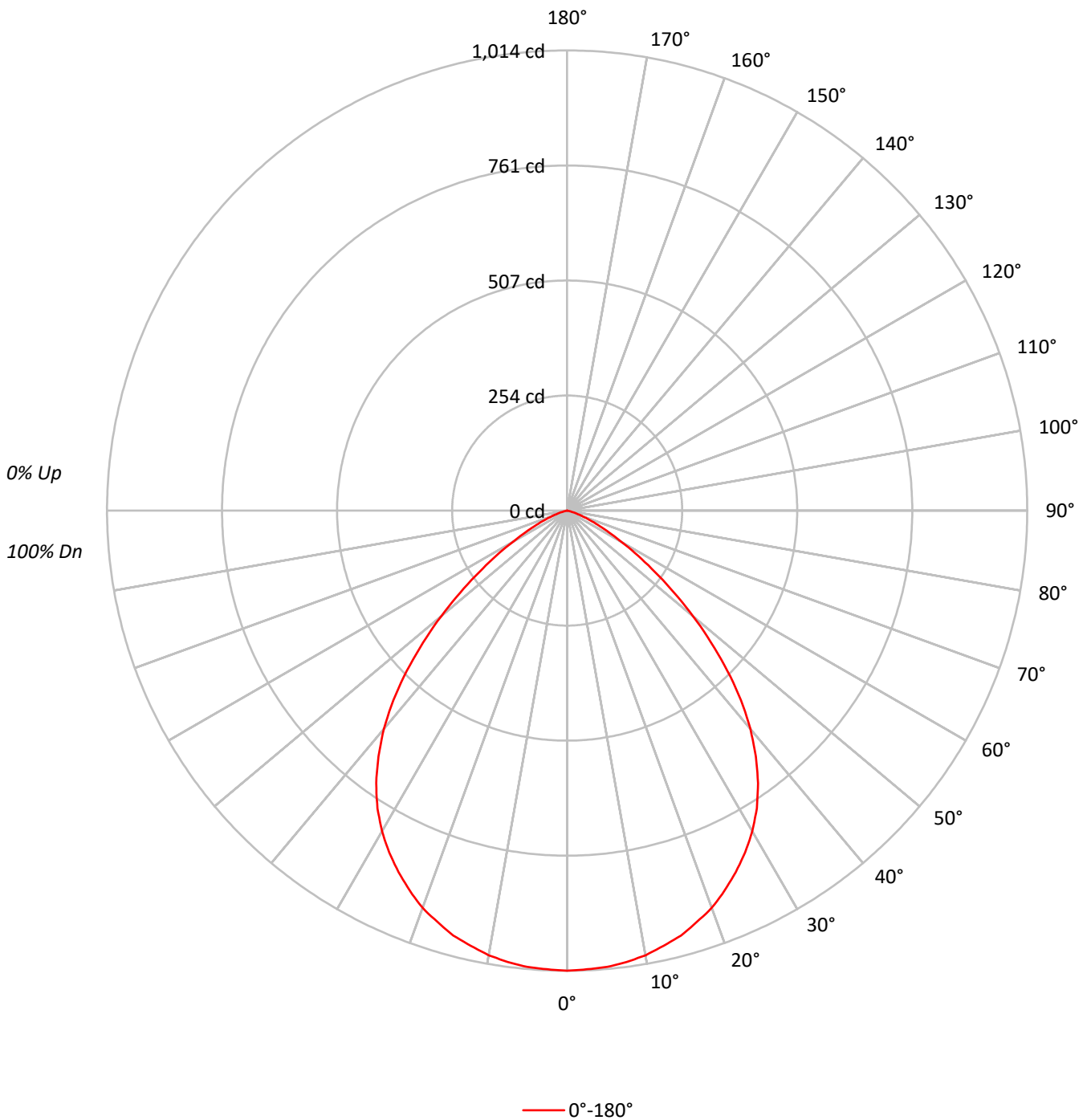
Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P303605

CATALOG NUMBER: PR6FS12D010 PR6M12MD8FSBZ 2000Lm3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P303605

CATALOG NUMBER: PR6FS12D010 PR6M12MD8FSBZ 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	112	108	105	102	109	106	103	101	102	100	97	98	96	94	95	93	92	90
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	88	82	76	94	87	81	76	84	79	74	81	77	73	79	75	72	70
4	90	80	73	67	88	78	72	67	76	70	66	74	69	65	72	68	64	62
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	46	45
8	68	56	48	43	66	55	48	43	54	47	43	53	47	42	52	46	42	41
9	64	52	44	39	62	51	44	39	50	43	39	49	43	39	48	43	39	37
10	60	48	41	36	59	47	40	36	46	40	36	45	40	36	45	39	35	34

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	66147
5°	66119
10°	65909
15°	65489
20°	64686
25°	63275
30°	61449
35°	58419
40°	53493
45°	46095
50°	36792
55°	26855
60°	18150
65°	11393
70°	6428
75°	2647
80°	0
85°	0



TEST NUMBER: P303605

CATALOG NUMBER: PR6FS12D010 PR6M12MD8FSBZ 2000Lm3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.9	5.0
10°-20°	273.0	14.2
20°-30°	404.4	21.1
30°-40°	455.7	23.8
40°-50°	382.8	20.0
50°-60°	215.6	11.2
60°-70°	77.3	4.0
70°-80°	13.8	0.7
80°-90°	0.0	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°	773.3	40.3
0°-40°	1229.0	64.1
0°-60°	1827.4	95.3
0°-90°	1918.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1918.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1014	
5°	1010	96
15°	970	273
25°	879	404
35°	734	456
45°	500	383
55°	236	216
65°	74	77
75°	10	14
85°	0	0
90°	0	



TEST NUMBER: P303605

CATALOG NUMBER: PR6FS12D010 PR6M12MD8FSBZ 2000Lm3000K

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1013.9
2.5°	1011.7
5°	1009.6
7.5°	1003.3
10°	994.9
12.5°	982.2
15°	969.6
17.5°	950.6
20°	931.7
22.5°	906.4
25°	879.0
27.5°	849.4
30°	815.7
32.5°	777.8
35°	733.5
37.5°	682.9
40°	628.1
42.5°	567.0
45°	499.6
47.5°	430.0
50°	362.5
52.5°	297.2
55°	236.1
57.5°	185.5
60°	139.1
62.5°	103.3
65°	73.8
67.5°	50.6
70°	33.7
72.5°	21.1
75°	10.5
77.5°	4.2
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)