

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: P303299

Luminaire Tested: **PR6FS24D010 PR6M24MD8FSMW 2000Lm3000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303299  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-1)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS24D010 PR6M24MD8FSMW 2000Lm3000K  
Description: PR6 MEDIUM 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: 2182.1 lumens  
Efficiency: N/A  
Efficacy: 99.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.25  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

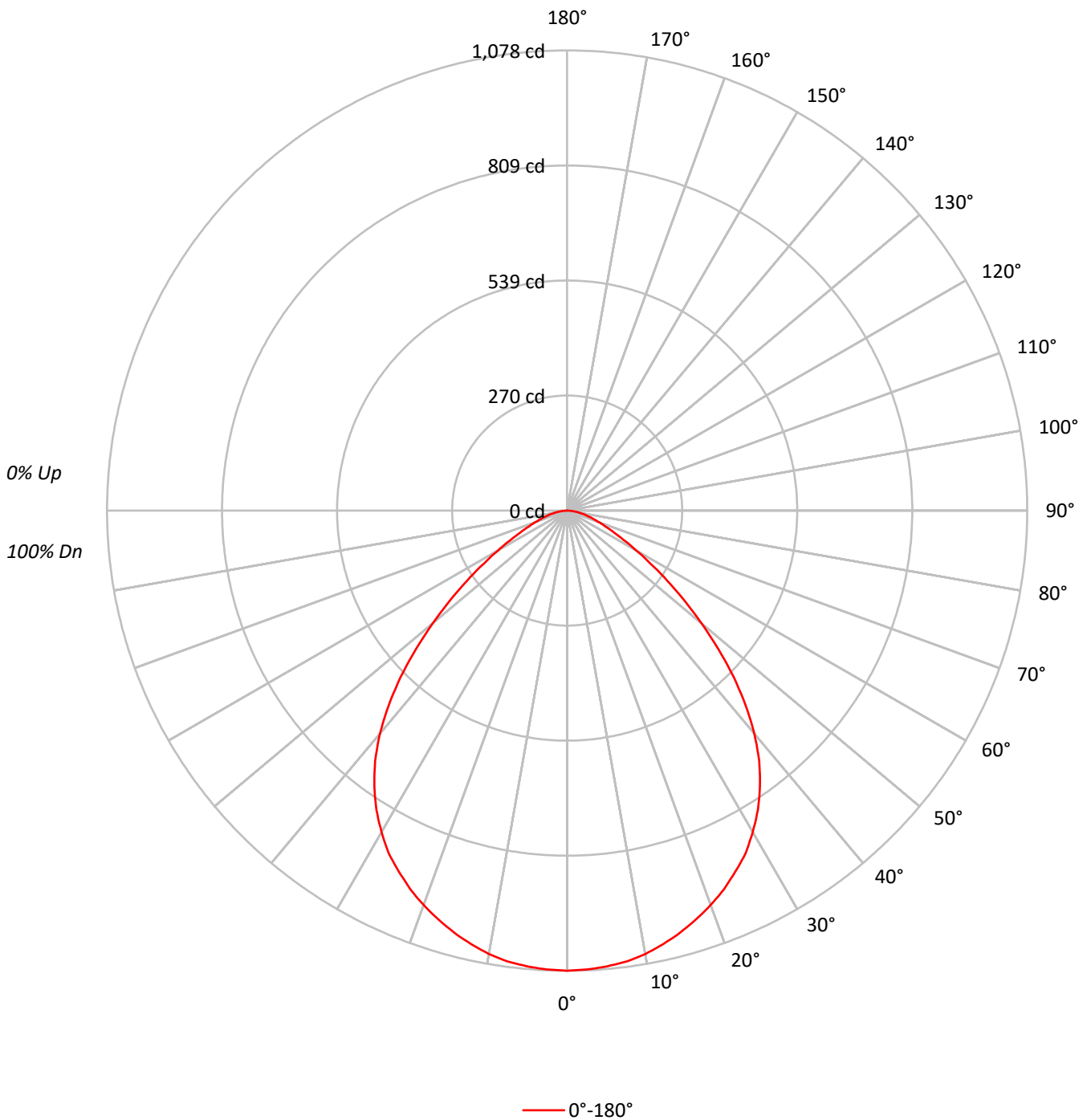
Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P303299

CATALOG NUMBER: PR6FS24D010 PR6M24MD8FSMW 2000Lm3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P303299

CATALOG NUMBER: PR6FS24D010 PR6M24MD8FSMW 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	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	74	71	77	73	69	67
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38
9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	40	36	35
10	58	46	39	34	57	46	38	34	45	38	34	44	38	33	43	37	33	32

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

	0°
0°	70336
5°	70192
10°	69884
15°	69123
20°	68268
25°	67148
30°	65510
35°	62720
40°	58100
45°	50902
50°	41674
55°	32576
60°	24452
65°	18525
70°	14859
75°	12730
80°	11083
85°	7860



TEST NUMBER: P303299

CATALOG NUMBER: PR6FS24D010 PR6M24MD8FSMW 2000Lm3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.8	4.7
10°-20°	288.6	13.2
20°-30°	429.5	19.7
30°-40°	489.9	22.5
40°-50°	422.5	19.4
50°-60°	258.8	11.9
60°-70°	123.2	5.6
70°-80°	54.7	2.5
80°-90°	13.2	0.6
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°	819.9	37.6
0°-40°	1309.9	60.0
0°-60°	1991.1	91.2
0°-90°	2182.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2182.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1078	
5°	1072	102
15°	1023	289
25°	933	430
35°	788	490
45°	552	423
55°	286	259
65°	120	123
75°	50	55
85°	10	13
90°	0	



TEST NUMBER: P303299

CATALOG NUMBER: PR6FS24D010 PR6M24MD8FSMW 2000Lm3000K

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1078.1
2.5°	1076.0
5°	1071.8
7.5°	1065.5
10°	1054.9
12.5°	1040.2
15°	1023.4
17.5°	1004.4
20°	983.3
22.5°	960.2
25°	932.8
27.5°	905.4
30°	869.6
32.5°	831.7
35°	787.5
37.5°	739.1
40°	682.2
42.5°	619.1
45°	551.7
47.5°	480.1
50°	410.6
52.5°	345.3
55°	286.4
57.5°	231.6
60°	187.4
62.5°	149.5
65°	120.0
67.5°	96.9
70°	77.9
72.5°	63.2
75°	50.5
77.5°	40.0
80°	29.5
82.5°	21.1
85°	10.5
87.5°	2.1
90°	0.0

(END OF REPORT)