

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: P303308

Luminaire Tested: **PR6FS24D010 PR6M24MD9FSMW 3000Lm3000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303308  
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 PR6M24MD9FSMW 3000Lm3000K  
Description: PR6 MEDIUM LENS WITH, MATTE WHITE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2665.9 lumens  
Efficiency: N/A  
Efficacy: 93.5 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

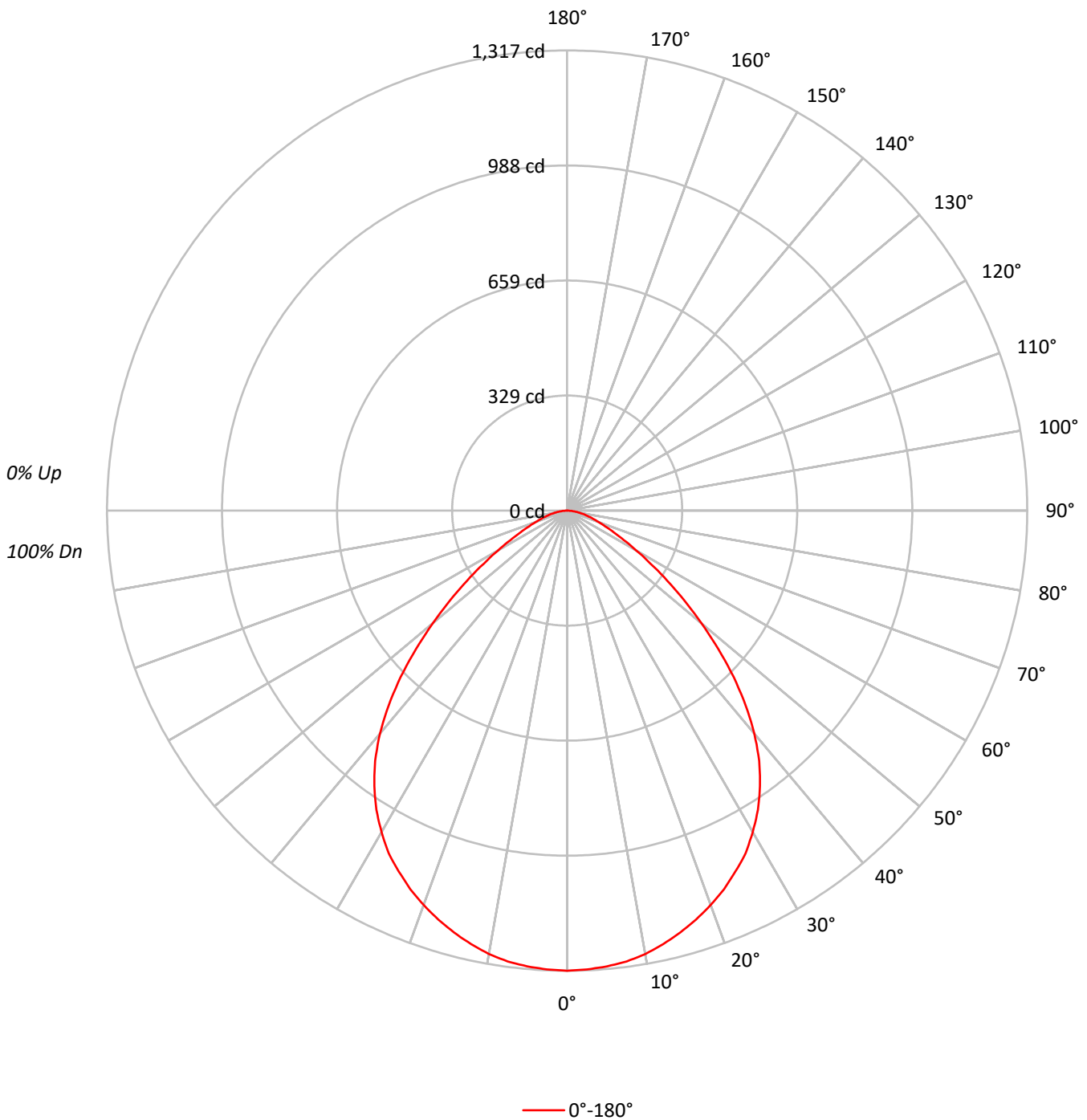
Input Watts (W): 28.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P303308

CATALOG NUMBER: PR6FS24D010 PR6M24MD9FSMW 3000Lm3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P303308

CATALOG NUMBER: PR6FS24D010 PR6M24MD9FSMW 3000Lm3000K

**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°	85928
5°	85752
10°	85379
15°	84441
20°	83403
25°	82034
30°	80034
35°	76626
40°	70986
45°	62186
50°	50911
55°	39799
60°	29867
65°	22631
70°	18159
75°	15553
80°	13525
85°	9656



TEST NUMBER: P303308

CATALOG NUMBER: PR6FS24D010 PR6M24MD9FSMW 3000Lm3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.4	4.7
10°-20°	352.6	13.2
20°-30°	524.7	19.7
30°-40°	598.6	22.5
40°-50°	516.2	19.4
50°-60°	316.1	11.9
60°-70°	150.4	5.6
70°-80°	66.8	2.5
80°-90°	16.1	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°	1001.7	37.6
0°-40°	1600.3	60.0
0°-60°	2432.6	91.2
0°-90°	2665.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2665.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1317	
5°	1309	124
15°	1250	353
25°	1140	525
35°	962	599
45°	674	516
55°	350	316
65°	147	150
75°	62	67
85°	13	16
90°	0	



TEST NUMBER: P303308

CATALOG NUMBER: PR6FS24D010 PR6M24MD9FSMW 3000Lm3000K

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1317.1
2.5°	1314.5
5°	1309.4
7.5°	1301.7
10°	1288.8
12.5°	1270.8
15°	1250.2
17.5°	1227.1
20°	1201.3
22.5°	1173.0
25°	1139.6
27.5°	1106.2
30°	1062.4
32.5°	1016.1
35°	962.1
37.5°	902.9
40°	833.5
42.5°	756.3
45°	674.0
47.5°	586.5
50°	501.6
52.5°	421.9
55°	349.9
57.5°	283.0
60°	228.9
62.5°	182.6
65°	146.6
67.5°	118.3
70°	95.2
72.5°	77.2
75°	61.7
77.5°	48.9
80°	36.0
82.5°	25.7
85°	12.9
87.5°	2.6
90°	0.0

(END OF REPORT)