

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: P303398

Luminaire Tested: **PR6FS24D010 PR6M24WD9FSMW 3000Lm3000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303398  
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: PR6FS24D010 PR6M24WD9FSMW 3000Lm3000K  
Description: PR6 WIDE 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: 2637.6 lumens  
Efficiency: N/A  
Efficacy: 92.5 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

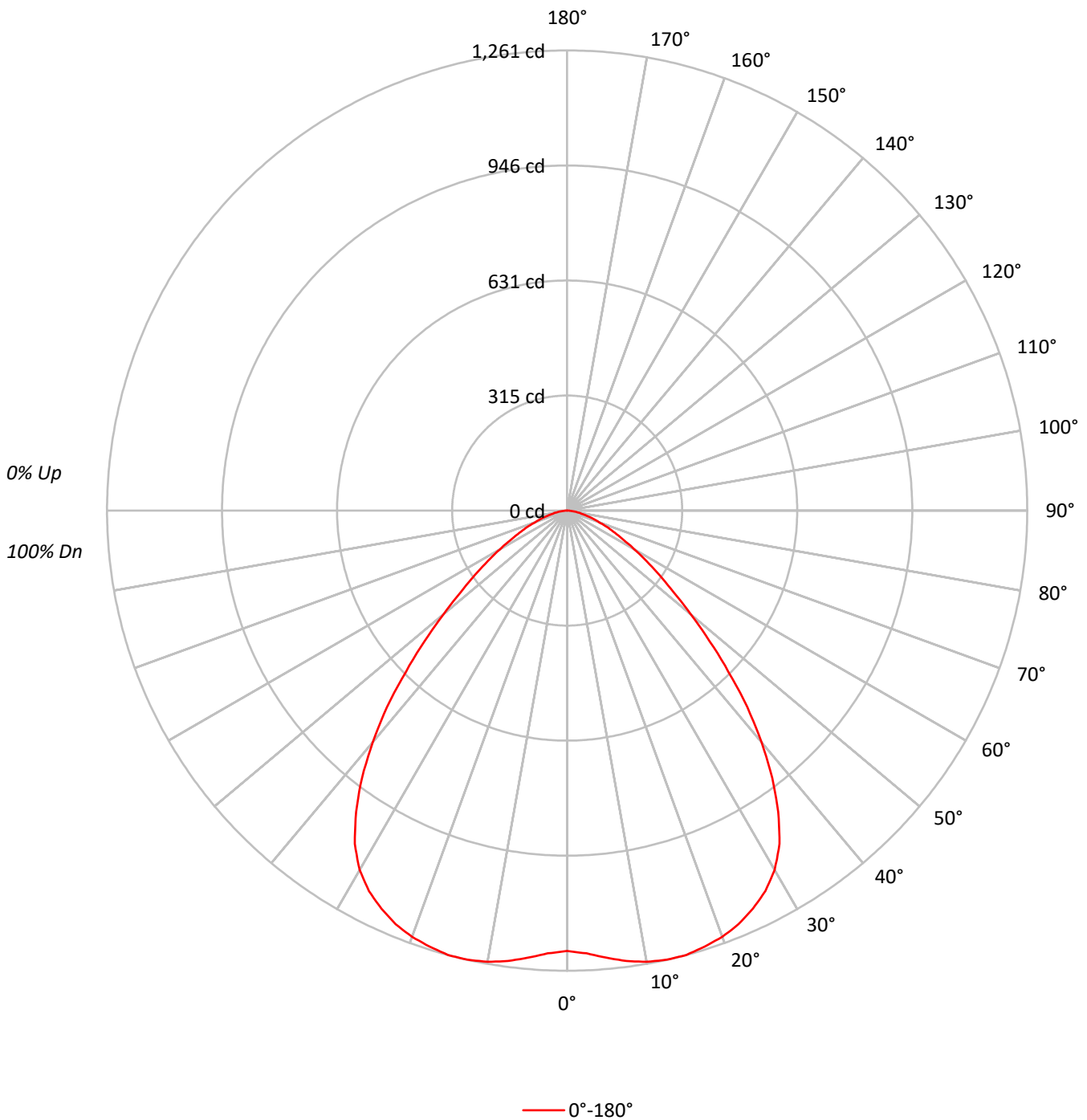
Input Watts (W): 28.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P303398

CATALOG NUMBER: PR6FS24D010 PR6M24WD9FSMW 3000Lm3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P303398

CATALOG NUMBER: PR6FS24D010 PR6M24WD9FSMW 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	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°	78719
5°	80539
10°	83173
15°	85150
20°	86278
25°	86677
30°	85669
35°	80321
40°	70551
45°	57684
50°	44912
55°	35113
60°	27858
65°	22245
70°	17664
75°	14267
80°	11609
85°	7710



TEST NUMBER: P303398

CATALOG NUMBER: PR6FS24D010 PR6M24WD9FSMW 3000Lm3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.2	4.5
10°-20°	355.8	13.5
20°-30°	553.7	21.0
30°-40°	624.1	23.7
40°-50°	484.0	18.4
50°-60°	281.1	10.7
60°-70°	145.8	5.5
70°-80°	61.7	2.3
80°-90°	13.3	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°	1027.7	39.0
0°-40°	1651.8	62.6
0°-60°	2416.9	91.6
0°-90°	2637.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2637.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1207	
5°	1230	118
15°	1261	356
25°	1204	554
35°	1008	624
45°	625	484
55°	309	281
65°	144	146
75°	57	62
85°	10	13
90°	0	



TEST NUMBER: P303398

CATALOG NUMBER: PR6FS24D010 PR6M24WD9FSMW 3000Lm3000K

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1206.6
2.5°	1214.4
5°	1229.8
7.5°	1245.2
10°	1255.5
12.5°	1260.7
15°	1260.7
17.5°	1252.9
20°	1242.7
22.5°	1227.2
25°	1204.1
27.5°	1175.8
30°	1137.2
32.5°	1083.1
35°	1008.5
37.5°	923.6
40°	828.4
42.5°	730.7
45°	625.2
47.5°	530.0
50°	442.5
52.5°	367.9
55°	308.7
57.5°	257.3
60°	213.5
62.5°	174.9
65°	144.1
67.5°	118.3
70°	92.6
72.5°	74.6
75°	56.6
77.5°	41.2
80°	30.9
82.5°	20.6
85°	10.3
87.5°	2.6
90°	0.0

(END OF REPORT)