

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: P303428

Luminaire Tested: **PR6FS24D010 PR6M24WD9FSMMS 3000Lm3000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303428  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS24D010 PR6M24WD9FSMMS 3000Lm3000K  
Description: PR6 WIDE LENS WITH, MATTE METALLIC SILVER FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2469.8 lumens  
Efficiency: N/A  
Efficacy: 86.7 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.27  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

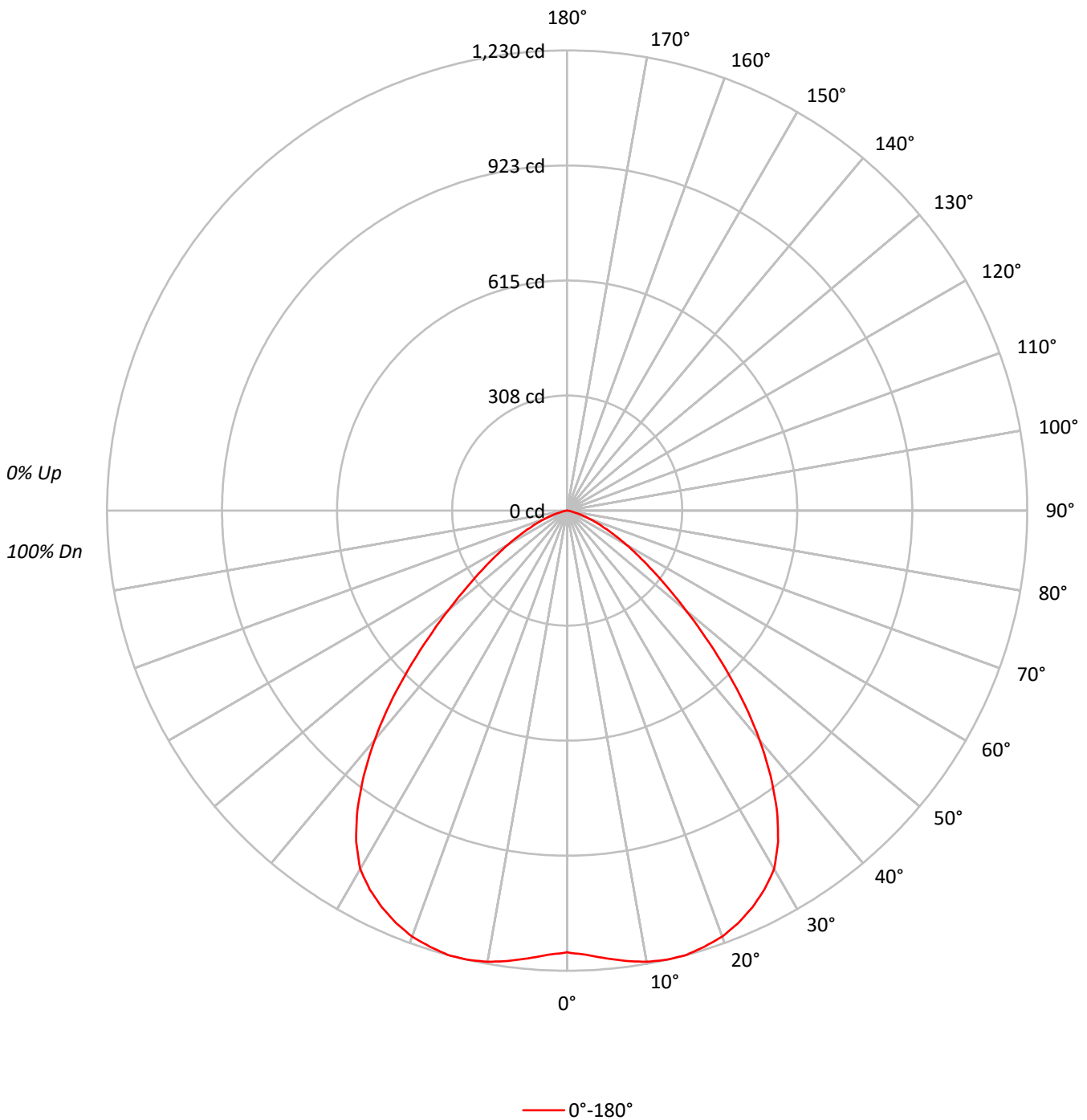
Input Watts (W): 28.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P303428

CATALOG NUMBER: PR6FS24D010 PR6M24WD9FSMMS 3000Lm3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P303428

CATALOG NUMBER: PR6FS24D010 PR6M24WD9FSMMS 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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90
2	104	97	92	87	101	95	91	86	92	88	85	89	86	83	86	83	81	79
3	96	88	81	76	94	86	80	75	83	78	74	81	77	73	78	75	72	70
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	47	56	50	46	45
8	68	56	48	43	66	55	48	43	54	47	43	53	47	42	51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	39	48	42	38	37
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34

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

	0°
0°	77036
5°	78679
10°	81120
15°	83056
20°	84125
25°	84259
30°	83334
35°	77860
40°	68141
45°	55303
50°	42040
55°	31598
60°	23839
65°	17074
70°	11769
75°	6478
80°	2893
85°	1946



TEST NUMBER: P303428

CATALOG NUMBER: PR6FS24D010 PR6M24WD9FSMMS 3000Lm3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.4	4.7
10°-20°	347.0	14.0
20°-30°	538.4	21.8
30°-40°	604.5	24.5
40°-50°	462.6	18.7
50°-60°	254.2	10.3
60°-70°	113.8	4.6
70°-80°	30.7	1.2
80°-90°	3.1	0.1
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°	1000.9	40.5
0°-40°	1605.3	65.0
0°-60°	2322.1	94.0
0°-90°	2469.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2469.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1181	
5°	1201	115
15°	1230	347
25°	1170	538
35°	978	604
45°	599	463
55°	278	254
65°	111	114
75°	26	31
85°	3	3
90°	0	



TEST NUMBER: P303428

CATALOG NUMBER: PR6FS24D010 PR6M24WD9FSMMS 3000Lm3000K

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1180.8
2.5°	1188.5
5°	1201.4
7.5°	1214.3
10°	1224.5
12.5°	1229.7
15°	1229.7
17.5°	1222.0
20°	1211.7
22.5°	1193.7
25°	1170.5
27.5°	1142.2
30°	1106.2
32.5°	1049.6
35°	977.6
37.5°	892.7
40°	800.1
42.5°	702.3
45°	599.4
47.5°	501.7
50°	414.2
52.5°	339.6
55°	277.8
57.5°	226.4
60°	182.7
62.5°	144.1
65°	110.6
67.5°	84.9
70°	61.7
72.5°	41.2
75°	25.7
77.5°	15.4
80°	7.7
82.5°	5.1
85°	2.6
87.5°	0.0
90°	0.0

(END OF REPORT)