

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: P303302

Luminaire Tested: **PR6FS24D010 PR6M24MD9FSMW 2000Lm3000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303302  
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 2000Lm3000K  
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: 2076.9 lumens  
Efficiency: N/A  
Efficacy: 94.4 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

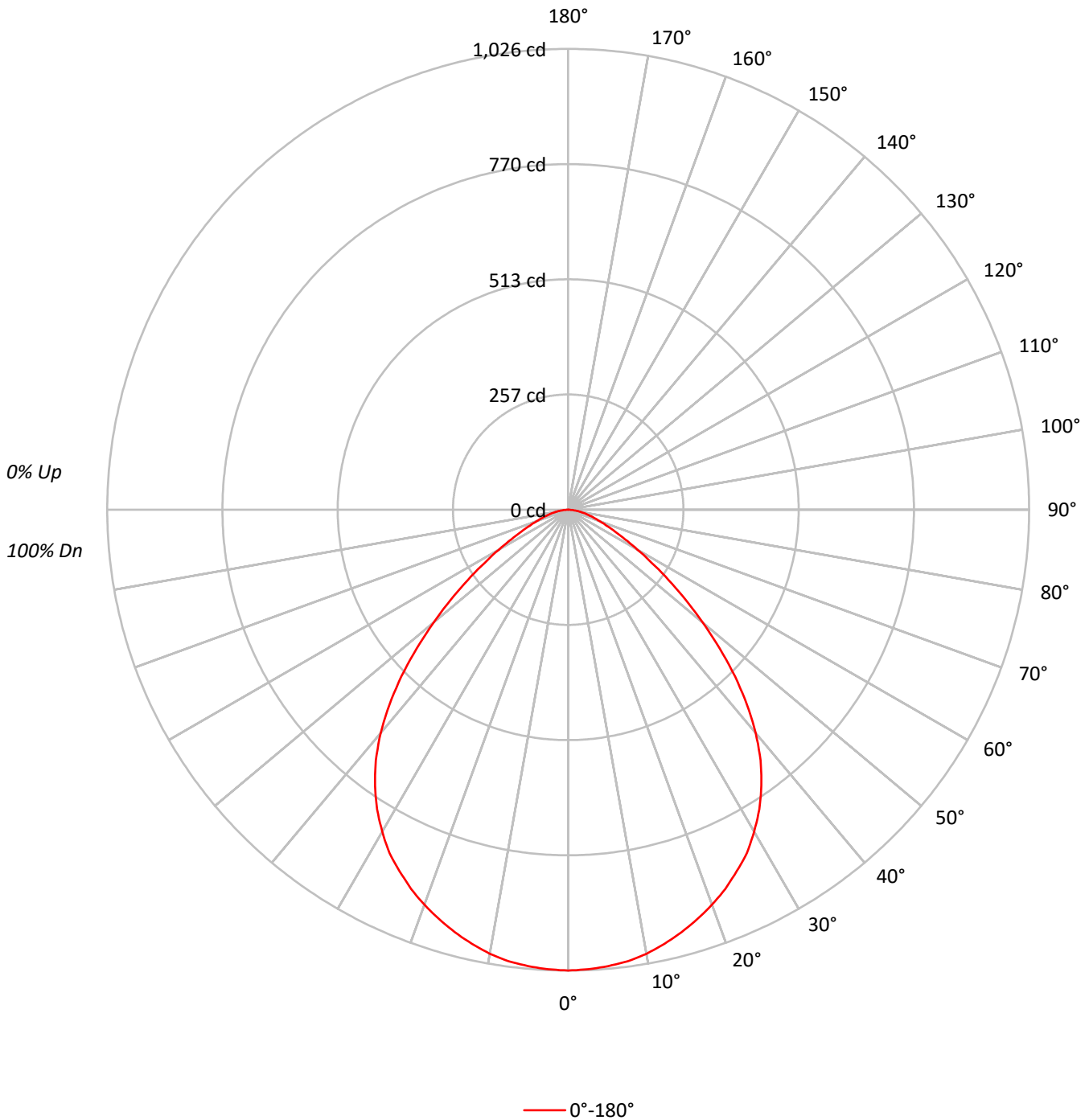
Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**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°	66943
5°	66806
10°	66512
15°	65786
20°	64977
25°	63908
30°	62353
35°	59693
40°	55298
45°	48448
50°	39665
55°	31006
60°	23278
65°	17629
70°	14154
75°	12125
80°	10557
85°	7486



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.9	4.7
10°-20°	274.7	13.2
20°-30°	408.8	19.7
30°-40°	466.3	22.5
40°-50°	402.1	19.4
50°-60°	246.3	11.9
60°-70°	117.2	5.6
70°-80°	52.0	2.5
80°-90°	12.5	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°	780.4	37.6
0°-40°	1246.7	60.0
0°-60°	1895.1	91.2
0°-90°	2076.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2076.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1026	
5°	1020	97
15°	974	275
25°	888	409
35°	750	466
45°	525	402
55°	273	246
65°	114	117
75°	48	52
85°	10	13
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1026.1
2.5°	1024.1
5°	1020.1
7.5°	1014.1
10°	1004.0
12.5°	990.0
15°	974.0
17.5°	955.9
20°	935.9
22.5°	913.9
25°	887.8
27.5°	861.8
30°	827.7
32.5°	791.6
35°	749.5
37.5°	703.4
40°	649.3
42.5°	589.2
45°	525.1
47.5°	456.9
50°	390.8
52.5°	328.7
55°	272.6
57.5°	220.4
60°	178.4
62.5°	142.3
65°	114.2
67.5°	92.2
70°	74.2
72.5°	60.1
75°	48.1
77.5°	38.1
80°	28.1
82.5°	20.0
85°	10.0
87.5°	2.0
90°	0.0

(END OF REPORT)