

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: P303419

Luminaire Tested: **PR6FS24D010 PR6M24WD8FSMMS 2000Lm3000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303419  
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 PR6M24WD8FSMMS 2000Lm3000K  
Description: PR6 WIDE LENS WITH, MATTE METALLIC SILVER FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2021.6 lumens  
Efficiency: N/A  
Efficacy: 91.9 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

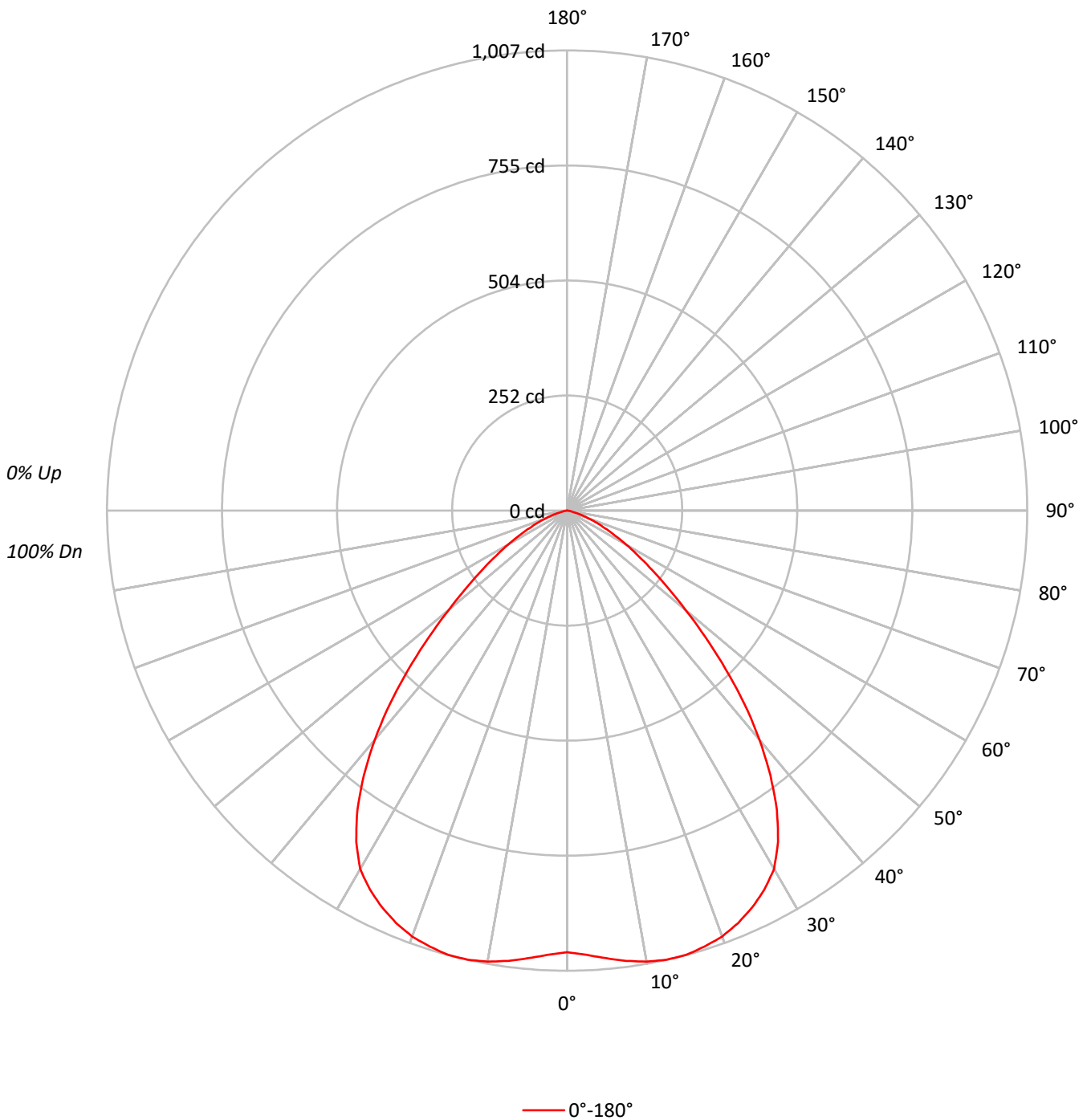
Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	63055
5°	64403
10°	66399
15°	67988
20°	68858
25°	68969
30°	68214
35°	63731
40°	55775
45°	45265
50°	34407
55°	25865
60°	19507
65°	13971
70°	9633
75°	5319
80°	2367
85°	1572



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.5	4.7
10°-20°	284.0	14.1
20°-30°	440.7	21.8
30°-40°	494.8	24.5
40°-50°	378.6	18.7
50°-60°	208.1	10.3
60°-70°	93.2	4.6
70°-80°	25.2	1.2
80°-90°	2.6	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°	819.3	40.5
0°-40°	1314.0	65.0
0°-60°	1900.7	94.0
0°-90°	2021.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2021.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	966	
5°	983	94
15°	1007	284
25°	958	441
35°	800	495
45°	491	379
55°	227	208
65°	90	93
75°	21	25
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	966.5
2.5°	972.9
5°	983.4
7.5°	993.9
10°	1002.3
12.5°	1006.6
15°	1006.6
17.5°	1000.2
20°	991.8
22.5°	977.1
25°	958.1
27.5°	935.0
30°	905.5
32.5°	859.1
35°	800.2
37.5°	730.7
40°	654.9
42.5°	574.9
45°	490.6
47.5°	410.6
50°	339.0
52.5°	278.0
55°	227.4
57.5°	185.3
60°	149.5
62.5°	117.9
65°	90.5
67.5°	69.5
70°	50.5
72.5°	33.7
75°	21.1
77.5°	12.6
80°	6.3
82.5°	4.2
85°	2.1
87.5°	0.0
90°	0.0

(END OF REPORT)