

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: P303426

Luminaire Tested: **PR6FS24D010 PR6M24WD8FSMMS 3000Lm3500K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303426  
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 3000Lm3500K  
Description: PR6 WIDE LENS WITH, MATTE METALLIC SILVER FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3214.5 lumens  
Efficiency: N/A  
Efficacy: 123.2 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

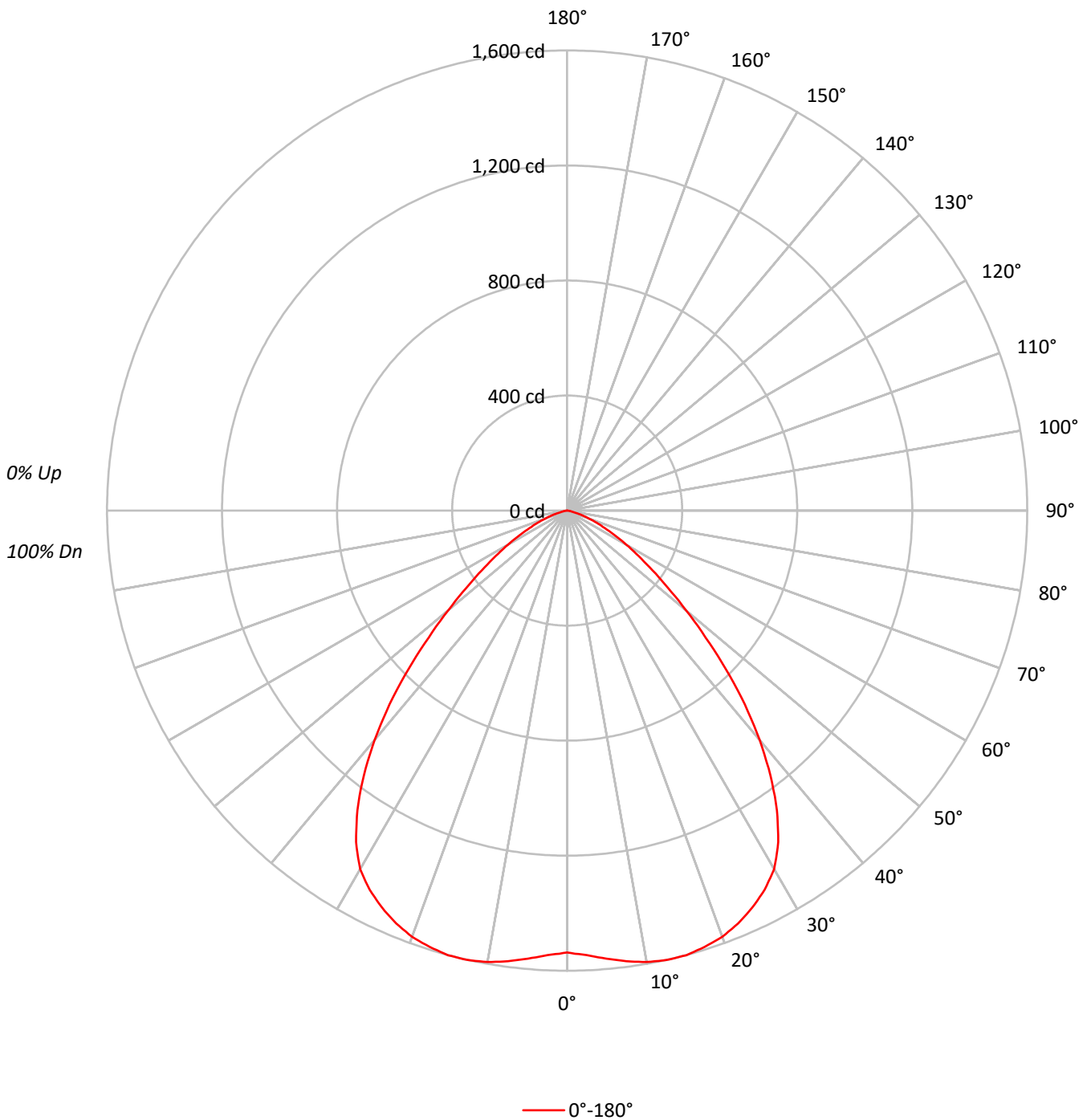
Input Watts (W): 26.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	100262
5°	102400
10°	105585
15°	108101
20°	109487
25°	109662
30°	108457
35°	101331
40°	88683
45°	71975
50°	54717
55°	41130
60°	31015
65°	22230
70°	15336
75°	8444
80°	3757
85°	2470



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.2	4.7
10°-20°	451.6	14.1
20°-30°	700.8	21.8
30°-40°	786.7	24.5
40°-50°	602.0	18.7
50°-60°	330.9	10.3
60°-70°	148.2	4.6
70°-80°	40.0	1.2
80°-90°	4.1	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°	1302.6	40.5
0°-40°	2089.3	65.0
0°-60°	3022.2	94.0
0°-90°	3214.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3214.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1537	
5°	1564	150
15°	1600	452
25°	1523	701
35°	1272	787
45°	780	602
55°	362	331
65°	144	148
75°	34	40
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1536.8
2.5°	1546.9
5°	1563.6
7.5°	1580.4
10°	1593.8
12.5°	1600.5
15°	1600.5
17.5°	1590.4
20°	1577.0
22.5°	1553.6
25°	1523.4
27.5°	1486.6
30°	1439.7
32.5°	1366.1
35°	1272.3
37.5°	1161.8
40°	1041.3
42.5°	914.1
45°	780.1
47.5°	652.9
50°	539.1
52.5°	442.0
55°	361.6
57.5°	294.6
60°	237.7
62.5°	187.5
65°	144.0
67.5°	110.5
70°	80.4
72.5°	53.6
75°	33.5
77.5°	20.1
80°	10.0
82.5°	6.7
85°	3.3
87.5°	0.0
90°	0.0

(END OF REPORT)