

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: P303336

Luminaire Tested: **PR6FS24D010 PR6M24MD8FSMMS 3000Lm3500K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303336  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS24D010 PR6M24MD8FSMMS 3000Lm3500K  
Description: PR6 MEDIUM 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: 3240.0 lumens  
Efficiency: N/A  
Efficacy: 124.1 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

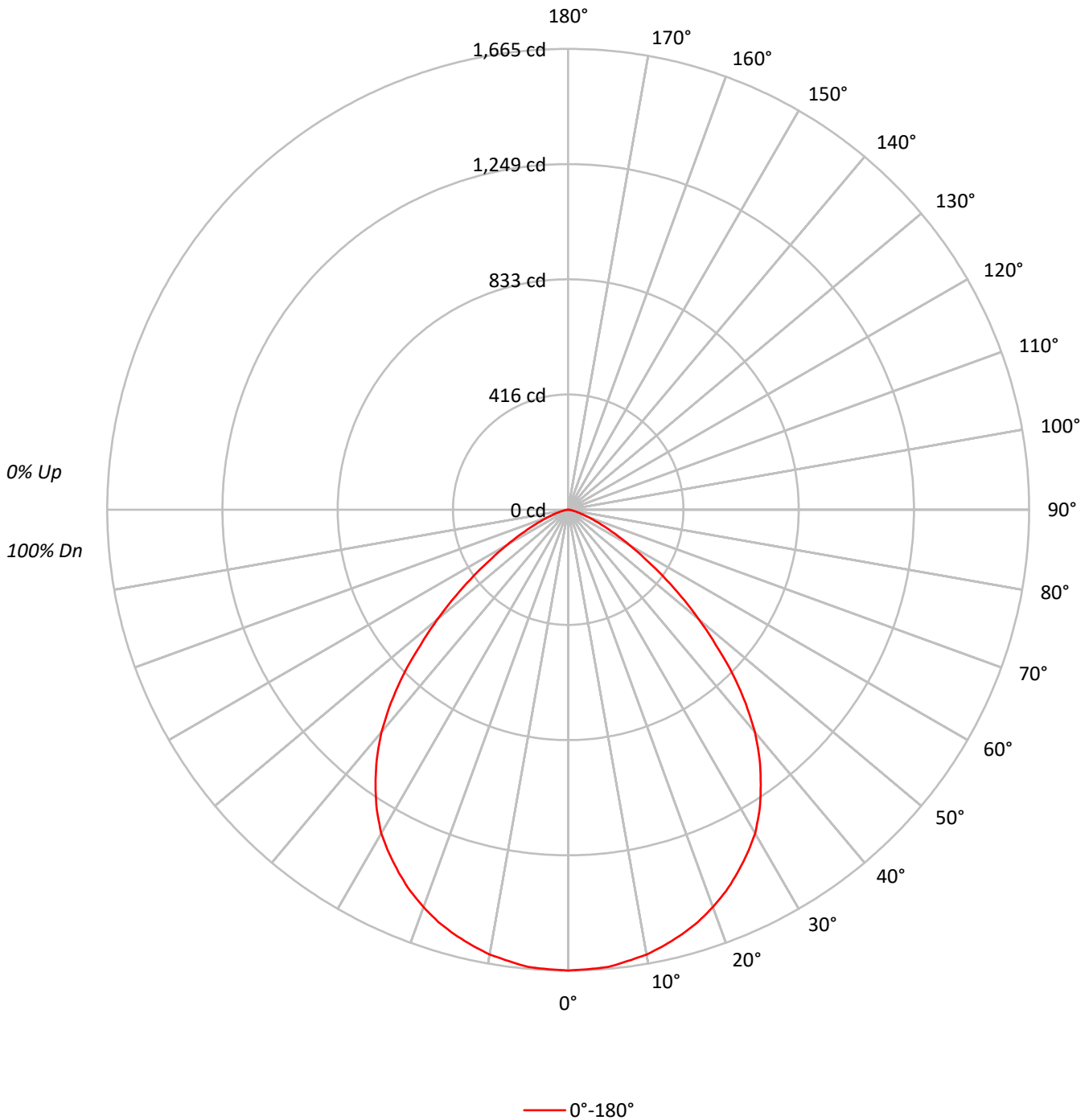
Input Watts (W): 26.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	97	92	87	101	95	90	86	92	88	84		89	85	82		86	83	81	79
3	96	87	81	75	94	86	80	75	83	78	74		80	76	72		78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65		73	68	64		71	67	63	61
5	83	72	64	58	81	71	63	58	69	62	57		67	61	57		65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		60	55	51	49
7	72	60	52	47	70	59	52	46	58	51	46		56	50	46		55	50	46	44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51	45	41	40
9	63	51	43	38	62	50	43	38	49	43	38		48	42	38		47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	39	35	33

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

	0°
0°	108639
5°	108615
10°	108095
15°	107264
20°	106072
25°	104191
30°	101715
35°	96600
40°	89313
45°	77594
50°	62573
55°	47260
60°	33221
65°	22245
70°	14058
75°	8444
80°	5034
85°	2545



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.3	4.9
10°-20°	447.9	13.8
20°-30°	666.2	20.6
30°-40°	755.6	23.3
40°-50°	643.1	19.8
50°-60°	376.4	11.6
60°-70°	149.3	4.6
70°-80°	39.6	1.2
80°-90°	4.6	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°	1271.4	39.2
0°-40°	2027.0	62.6
0°-60°	3046.4	94.0
0°-90°	3240.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3240.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1665	
5°	1658	157
15°	1588	448
25°	1447	666
35°	1213	756
45°	841	643
55°	416	376
65°	144	149
75°	34	40
85°	3	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1665.2
2.5°	1661.8
5°	1658.5
7.5°	1645.1
10°	1631.7
12.5°	1611.6
15°	1588.1
17.5°	1561.3
20°	1527.8
22.5°	1491.0
25°	1447.4
27.5°	1400.5
30°	1350.2
32.5°	1286.6
35°	1212.9
37.5°	1135.8
40°	1048.7
42.5°	948.2
45°	841.0
47.5°	723.7
50°	616.5
52.5°	512.6
55°	415.5
57.5°	328.3
60°	254.6
62.5°	194.3
65°	144.1
67.5°	103.9
70°	73.7
72.5°	53.6
75°	33.5
77.5°	20.1
80°	13.4
82.5°	6.7
85°	3.4
87.5°	0.0
90°	0.0

(END OF REPORT)