

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: P303339

Luminaire Tested: **PR6FS24D010 PR6M24MD9FSMMS 3000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303339
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 PR6M24MD9FSMMS 3000Lm3500K
Description: PR6 MEDIUM LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2696.8 lumens
Efficiency: N/A
Efficacy: 103.3 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

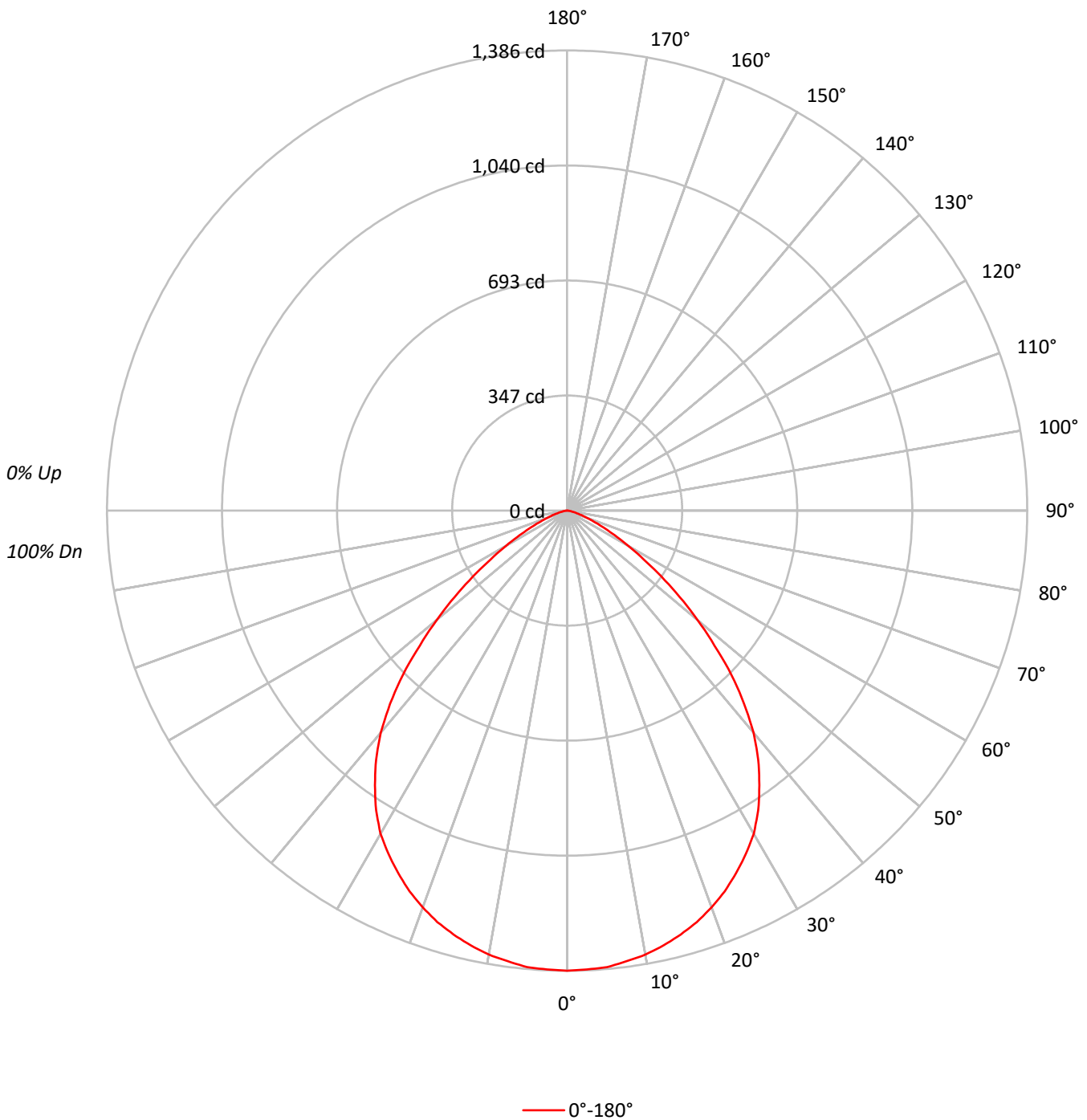
Input Watts (W): 26.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	90424
5°	90402
10°	89970
15°	89284
20°	88291
25°	86720
30°	84667
35°	80401
40°	74341
45°	64585
50°	52078
55°	39333
60°	27649
65°	18509
70°	11712
75°	7033
80°	4208
85°	2096



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.0	4.9
10°-20°	372.8	13.8
20°-30°	554.5	20.6
30°-40°	628.9	23.3
40°-50°	535.3	19.8
50°-60°	313.3	11.6
60°-70°	124.3	4.6
70°-80°	33.0	1.2
80°-90°	3.8	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°	1058.2	39.2
0°-40°	1687.2	62.6
0°-60°	2535.7	94.0
0°-90°	2696.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2696.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1386	
5°	1380	131
15°	1322	373
25°	1205	554
35°	1010	629
45°	700	535
55°	346	313
65°	120	124
75°	28	33
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1386.0
2.5°	1383.2
5°	1380.4
7.5°	1369.3
10°	1358.1
12.5°	1341.4
15°	1321.9
17.5°	1299.6
20°	1271.7
22.5°	1241.0
25°	1204.7
27.5°	1165.7
30°	1123.9
32.5°	1070.9
35°	1009.5
37.5°	945.4
40°	872.9
42.5°	789.2
45°	700.0
47.5°	602.4
50°	513.1
52.5°	426.7
55°	345.8
57.5°	273.3
60°	211.9
62.5°	161.7
65°	119.9
67.5°	86.5
70°	61.4
72.5°	44.6
75°	27.9
77.5°	16.7
80°	11.2
82.5°	5.6
85°	2.8
87.5°	0.0
90°	0.0

(END OF REPORT)