

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: P303429

Luminaire Tested: **PR6FS24D010 PR6M24WD9FSMMS 3000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303429
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 PR6M24WD9FSMMS 3000Lm3500K
Description: PR6 WIDE 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: 2675.6 lumens
Efficiency: N/A
Efficacy: 102.5 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

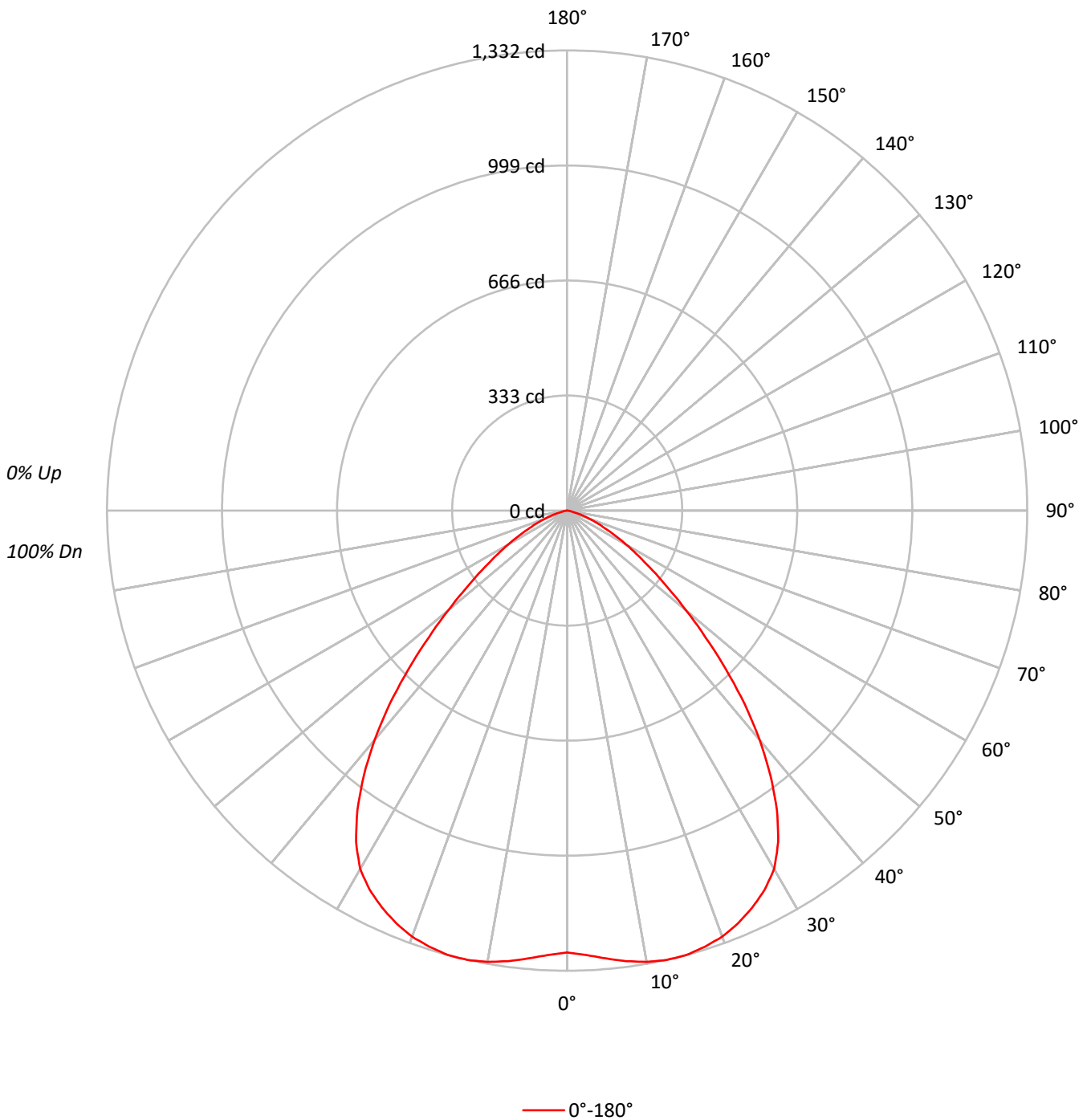
Input Watts (W): 26.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	83456
5°	85235
10°	87883
15°	89973
20°	91131
25°	91277
30°	90280
35°	84343
40°	73813
45°	59907
50°	45541
55°	34237
60°	25822
65°	18494
70°	12761
75°	7033
80°	3156
85°	2096



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.0	4.7
10°-20°	375.9	14.0
20°-30°	583.3	21.8
30°-40°	654.8	24.5
40°-50°	501.1	18.7
50°-60°	275.4	10.3
60°-70°	123.3	4.6
70°-80°	33.3	1.2
80°-90°	3.4	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°	1084.2	40.5
0°-40°	1739.1	65.0
0°-60°	2515.6	94.0
0°-90°	2675.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2675.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1279	
5°	1302	125
15°	1332	376
25°	1268	583
35°	1059	655
45°	649	501
55°	301	275
65°	120	123
75°	28	33
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1279.2
2.5°	1287.5
5°	1301.5
7.5°	1315.4
10°	1326.6
12.5°	1332.1
15°	1332.1
17.5°	1323.8
20°	1312.6
22.5°	1293.1
25°	1268.0
27.5°	1237.4
30°	1198.4
32.5°	1137.1
35°	1059.0
37.5°	967.1
40°	866.7
42.5°	760.8
45°	649.3
47.5°	543.4
50°	448.7
52.5°	367.9
55°	301.0
57.5°	245.2
60°	197.9
62.5°	156.1
65°	119.8
67.5°	92.0
70°	66.9
72.5°	44.6
75°	27.9
77.5°	16.7
80°	8.4
82.5°	5.6
85°	2.8
87.5°	0.0
90°	0.0

(END OF REPORT)