

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: P303300

Luminaire Tested: **PR6FS24D010 PR6M24MD8FSMW 2000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS24D010 PR6M24MD8FSMW 2000Lm3500K
Description: PR6 MEDIUM LENS WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2703.0 lumens
Efficiency: N/A
Efficacy: 132.5 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

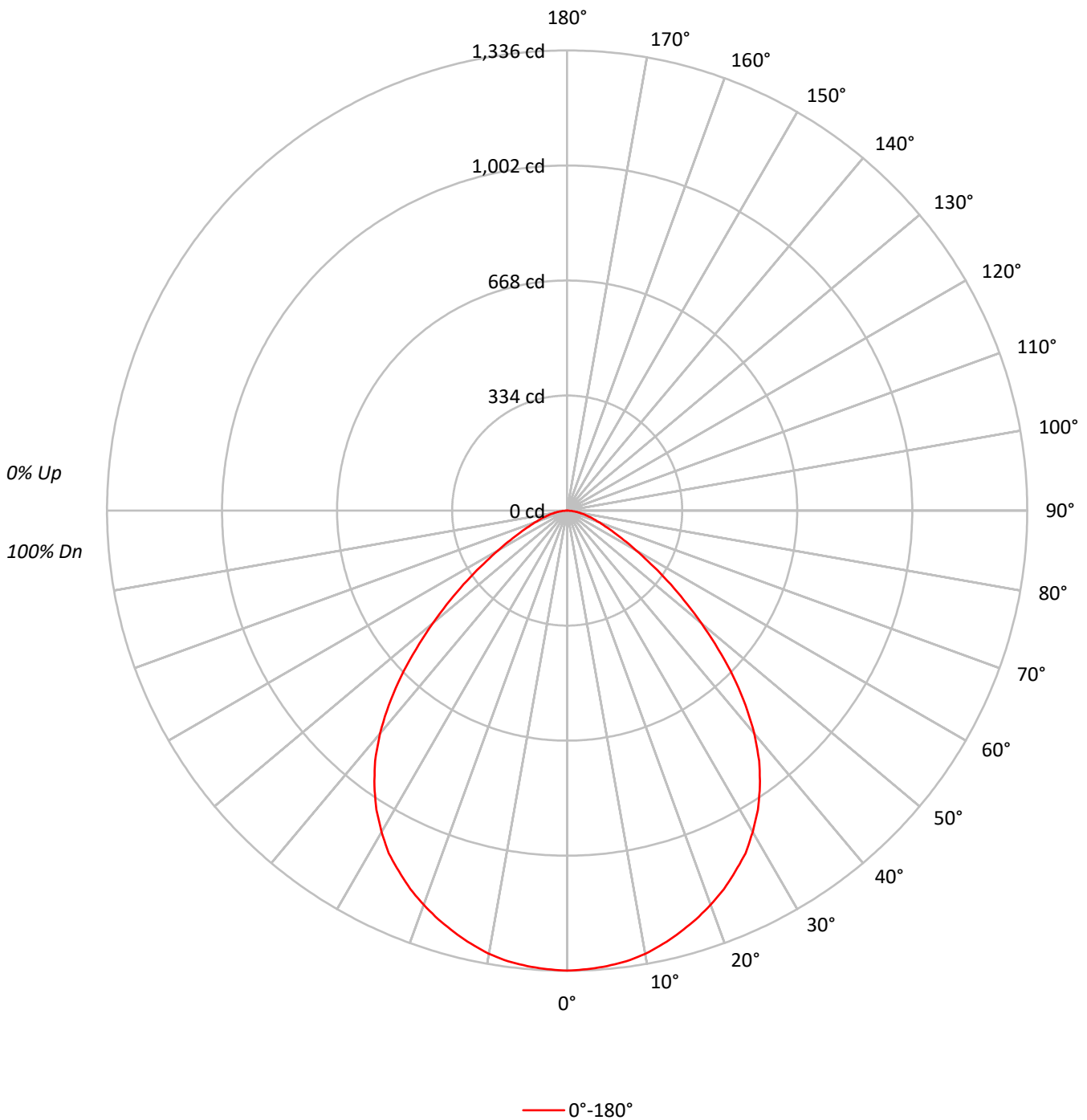
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	74	71	77	73	69	67
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38
9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	40	36	35
10	58	46	39	34	57	46	38	34	45	38	34	44	38	33	43	37	33	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	87129
5°	86944
10°	86572
15°	85616
20°	84570
25°	83179
30°	81149
35°	77693
40°	71973
45°	63053
50°	51621
55°	40345
60°	30285
65°	22955
70°	18407
75°	15780
80°	13713
85°	9731



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.1	4.7
10°-20°	357.5	13.2
20°-30°	532.1	19.7
30°-40°	606.9	22.5
40°-50°	523.4	19.4
50°-60°	320.5	11.9
60°-70°	152.6	5.6
70°-80°	67.7	2.5
80°-90°	16.3	0.6
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°	1015.7	37.6
0°-40°	1622.6	60.0
0°-60°	2466.5	91.2
0°-90°	2703.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2703.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1336	
5°	1328	126
15°	1268	358
25°	1156	532
35°	976	607
45°	683	523
55°	355	321
65°	149	153
75°	63	68
85°	13	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1335.5
2.5°	1332.9
5°	1327.6
7.5°	1319.8
10°	1306.8
12.5°	1288.5
15°	1267.6
17.5°	1244.2
20°	1218.1
22.5°	1189.4
25°	1155.5
27.5°	1121.6
30°	1077.2
32.5°	1030.3
35°	975.5
37.5°	915.5
40°	845.1
42.5°	766.8
45°	683.4
47.5°	594.7
50°	508.6
52.5°	427.8
55°	354.7
57.5°	286.9
60°	232.1
62.5°	185.2
65°	148.7
67.5°	120.0
70°	96.5
72.5°	78.2
75°	62.6
77.5°	49.6
80°	36.5
82.5°	26.1
85°	13.0
87.5°	2.6
90°	0.0

(END OF REPORT)