

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: FAIL-SAFE

Report Number: P365588

Luminaire Tested: **FLD6BX40D010-FEU6B35-8040-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365588
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8040-F6LBXVM1-MW-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2660.1 lumens
Efficiency: N/A
Efficacy: 65.5 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

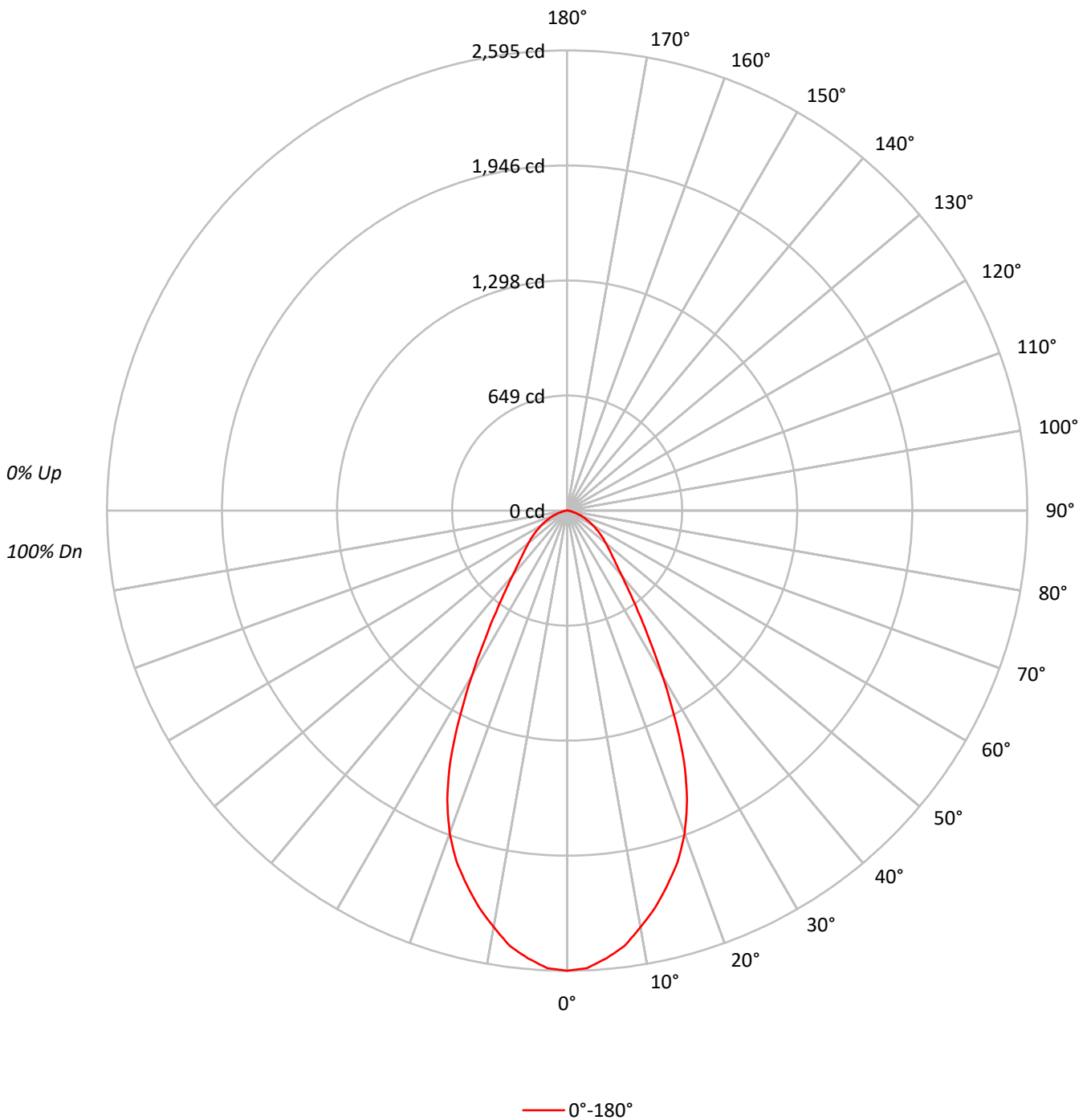
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	72	65	60	80	71	64	60	69	64	59	68	63	59	66	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55	64	58	54	62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51	60	54	51	59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47	56	51	47	55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	185835
5°	182161
10°	173434
15°	161991
20°	147594
25°	123207
30°	88582
35°	61152
40°	44697
45°	36211
50°	31613
55°	27988
60°	24388
65°	20670
70°	16643
75°	11785
80°	8206
85°	9366



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.5	8.9
10°-20°	611.1	23.0
20°-30°	698.5	26.3
30°-40°	449.5	16.9
40°-50°	281.7	10.6
50°-60°	201.1	7.6
60°-70°	122.0	4.6
70°-80°	47.8	1.8
80°-90°	10.8	0.4
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°	1547.2	58.2
0°-40°	1996.6	75.1
0°-60°	2479.4	93.2
0°-90°	2660.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2660.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2595	
5°	2534	237
15°	2185	611
25°	1560	699
35°	700	449
45°	358	282
55°	224	201
65°	122	122
75°	43	48
85°	11	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2595.4
2.5°	2582.6
5°	2534.4
7.5°	2476.2
10°	2385.4
12.5°	2293.2
15°	2185.3
17.5°	2074.6
20°	1937.0
22.5°	1766.7
25°	1559.5
27.5°	1309.8
30°	1071.4
32.5°	861.4
35°	699.6
37.5°	571.9
40°	478.2
42.5°	408.7
45°	357.6
47.5°	317.9
50°	283.8
52.5°	254.0
55°	224.2
57.5°	195.8
60°	170.3
62.5°	146.2
65°	122.0
67.5°	100.8
70°	79.5
72.5°	59.6
75°	42.6
77.5°	29.8
80°	19.9
82.5°	12.8
85°	11.4
87.5°	5.7
90°	0.0

(END OF REPORT)