

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: P366265

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366265
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-31)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-WMH-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2951.9 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

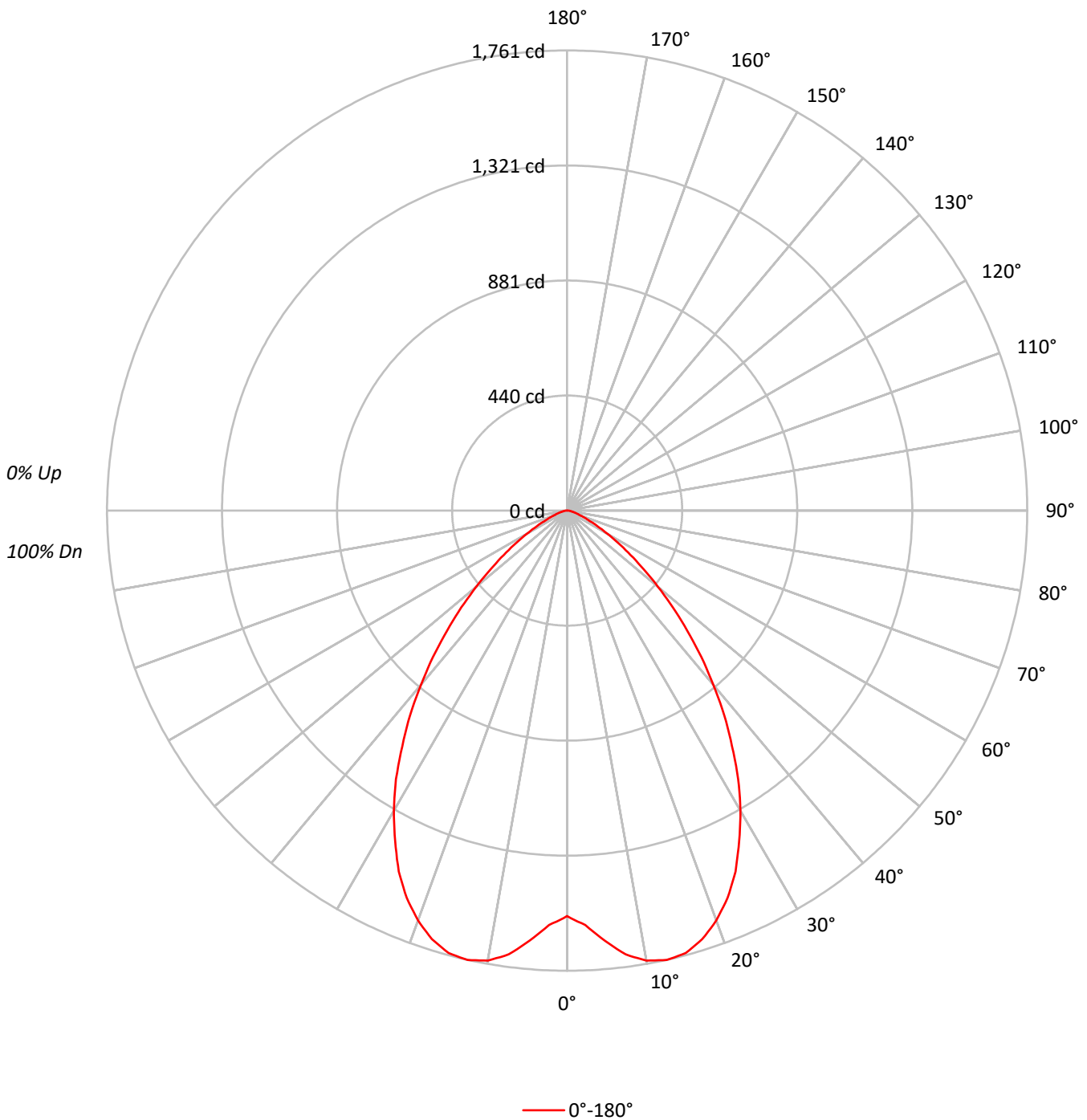
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	111119
5°	118774
10°	127156
15°	129946
20°	127173
25°	120434
30°	109640
35°	96177
40°	81216
45°	65677
50°	50617
55°	36963
60°	25433
65°	16790
70°	10949
75°	7995
80°	6804
85°	7887



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.8	5.4
10°-20°	490.9	16.6
20°-30°	695.5	23.6
30°-40°	686.0	23.2
40°-50°	502.8	17.0
50°-60°	269.6	9.1
60°-70°	103.6	3.5
70°-80°	33.0	1.1
80°-90°	9.7	0.3
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°	1347.3	45.6
0°-40°	2033.2	68.9
0°-60°	2805.6	95.0
0°-90°	2951.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2951.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1552	
5°	1652	161
15°	1753	491
25°	1524	696
35°	1100	686
45°	649	503
55°	296	270
65°	99	104
75°	29	33
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1551.9
2.5°	1587.7
5°	1652.5
7.5°	1713.1
10°	1748.9
12.5°	1761.3
15°	1753.0
17.5°	1719.9
20°	1669.0
22.5°	1604.3
25°	1524.4
27.5°	1425.3
30°	1326.1
32.5°	1218.7
35°	1100.3
37.5°	987.3
40°	868.9
42.5°	760.1
45°	648.6
47.5°	549.4
50°	454.4
52.5°	369.1
55°	296.1
57.5°	231.3
60°	177.6
62.5°	133.6
65°	99.1
67.5°	73.0
70°	52.3
72.5°	39.9
75°	28.9
77.5°	22.0
80°	16.5
82.5°	12.4
85°	9.6
87.5°	5.5
90°	0.0

(END OF REPORT)