

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: P366319

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366319
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-FEU6B35-8050-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: 3117.0 lumens
Efficiency: N/A
Efficacy: 76.8 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

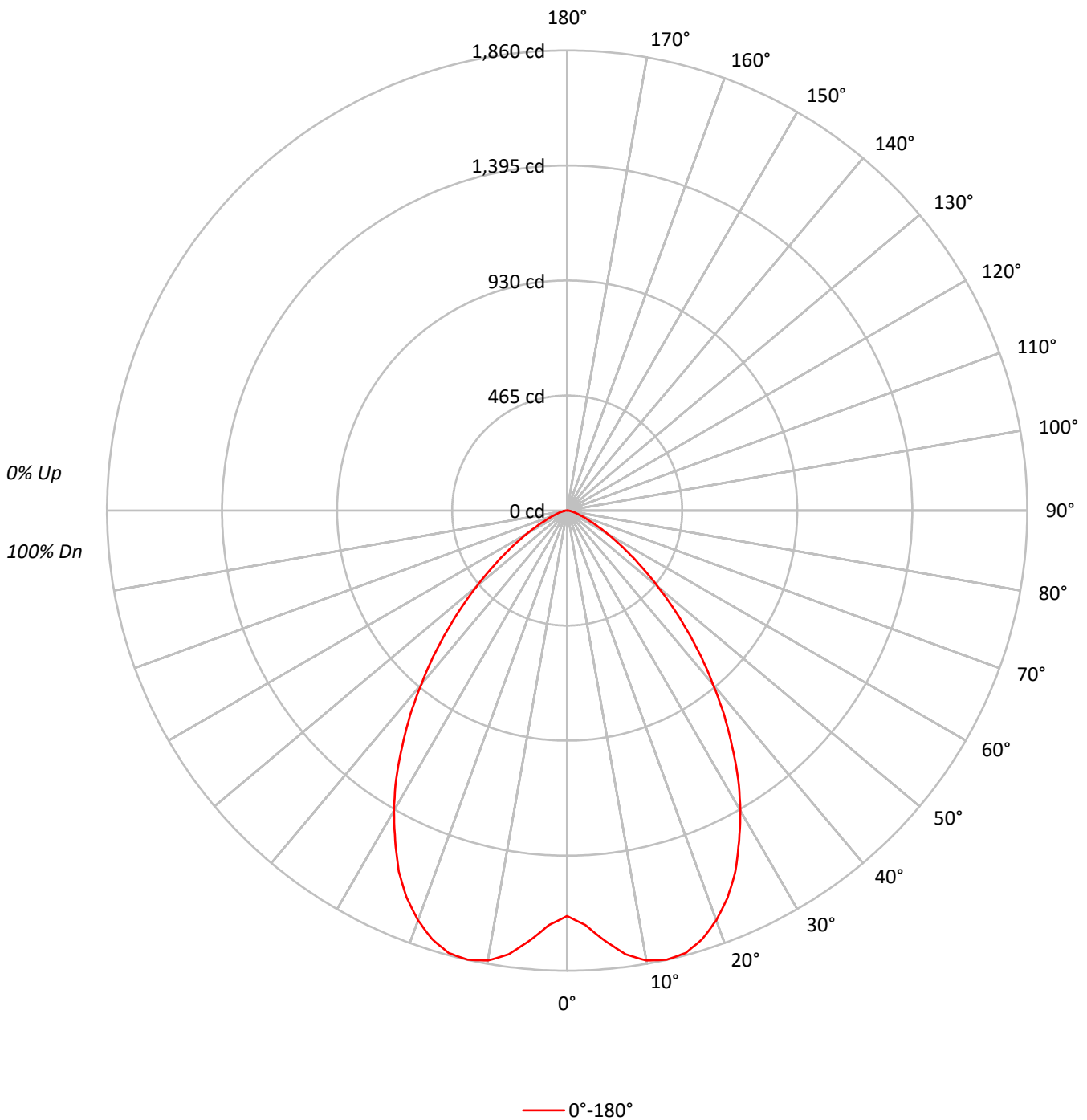
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	117334
5°	125408
10°	134260
15°	137210
20°	134282
25°	127165
30°	115767
35°	101553
40°	85758
45°	69343
50°	53446
55°	39023
60°	26865
65°	17739
70°	11577
75°	8438
80°	7175
85°	8380



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.8	5.4
10°-20°	518.3	16.6
20°-30°	734.4	23.6
30°-40°	724.3	23.2
40°-50°	530.9	17.0
50°-60°	284.7	9.1
60°-70°	109.4	3.5
70°-80°	34.9	1.1
80°-90°	10.3	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°	1422.5	45.6
0°-40°	2146.9	68.9
0°-60°	2962.5	95.0
0°-90°	3117.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3117.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1639	
5°	1745	170
15°	1851	518
25°	1610	734
35°	1162	724
45°	685	531
55°	313	285
65°	105	109
75°	30	35
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1638.7
2.5°	1676.5
5°	1744.8
7.5°	1808.8
10°	1846.6
12.5°	1859.7
15°	1851.0
17.5°	1816.1
20°	1762.3
22.5°	1693.9
25°	1609.6
27.5°	1504.9
30°	1400.2
32.5°	1286.8
35°	1161.8
37.5°	1042.5
40°	917.5
42.5°	802.6
45°	684.8
47.5°	580.2
50°	479.8
52.5°	389.7
55°	312.6
57.5°	244.3
60°	187.6
62.5°	141.0
65°	104.7
67.5°	77.1
70°	55.3
72.5°	42.2
75°	30.5
77.5°	23.3
80°	17.4
82.5°	13.1
85°	10.2
87.5°	5.8
90°	0.0

(END OF REPORT)