

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: P366373

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366373
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: FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-WMH-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3740.0 lumens
Efficiency: N/A
Efficacy: 67.9 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

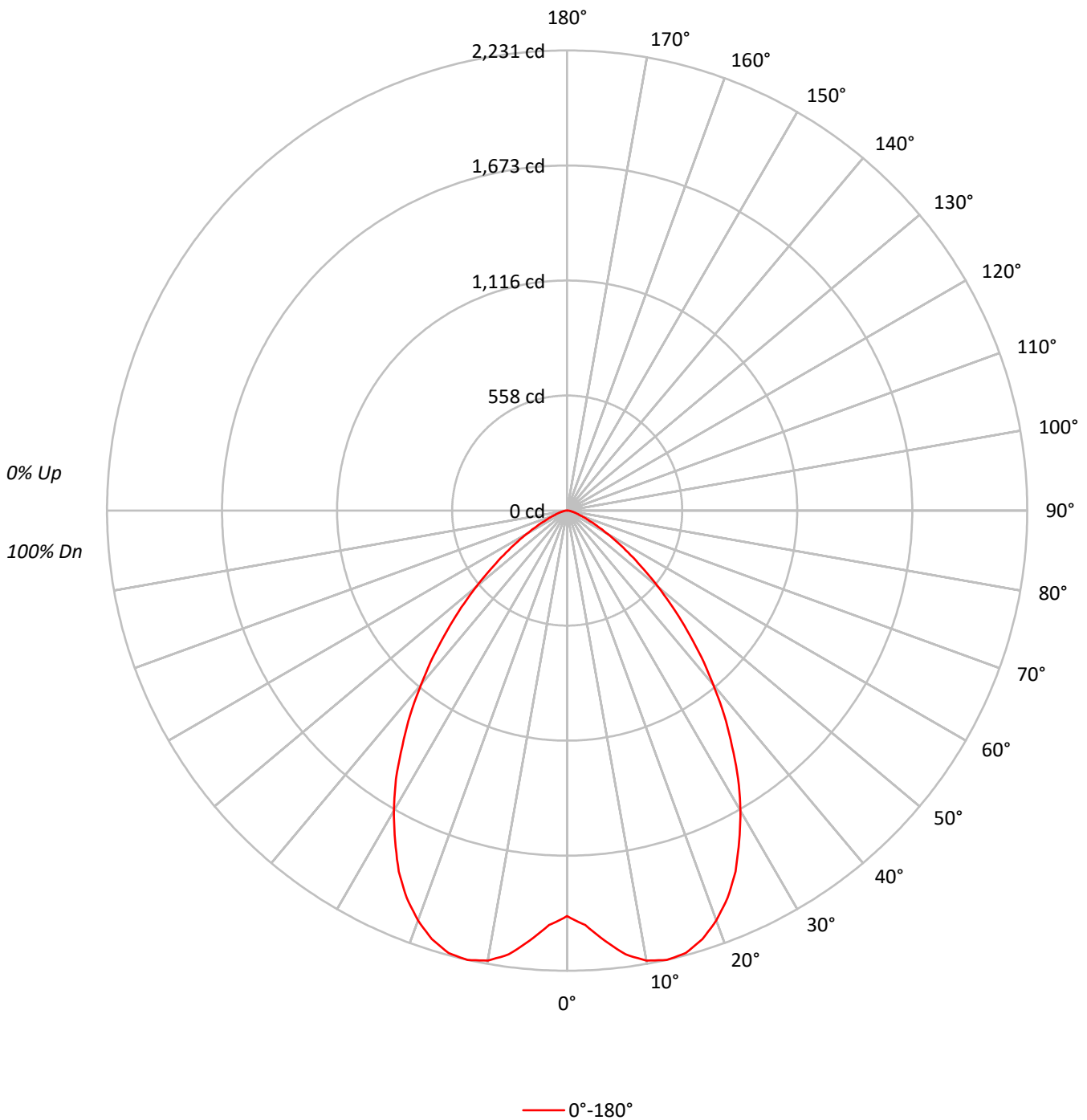
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	140784
5°	150478
10°	161096
15°	164630
20°	161119
25°	152580
30°	138908
35°	121849
40°	102901
45°	83206
50°	64129
55°	46825
60°	32235
65°	21280
70°	13880
75°	10125
80°	8618
85°	10023



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.8	5.4
10°-20°	621.9	16.6
20°-30°	881.2	23.6
30°-40°	869.1	23.2
40°-50°	637.0	17.0
50°-60°	341.5	9.1
60°-70°	131.3	3.5
70°-80°	41.8	1.1
80°-90°	12.3	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°	1706.9	45.6
0°-40°	2576.0	68.9
0°-60°	3554.6	95.0
0°-90°	3740.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3740.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1966	
5°	2094	204
15°	2221	622
25°	1931	881
35°	1394	869
45°	822	637
55°	375	342
65°	126	131
75°	37	42
85°	12	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1966.2
2.5°	2011.6
5°	2093.6
7.5°	2170.3
10°	2215.7
12.5°	2231.4
15°	2220.9
17.5°	2179.1
20°	2114.5
22.5°	2032.5
25°	1931.3
27.5°	1805.7
30°	1680.1
32.5°	1544.0
35°	1394.0
37.5°	1250.9
40°	1100.9
42.5°	963.0
45°	821.7
47.5°	696.1
50°	575.7
52.5°	467.6
55°	375.1
57.5°	293.1
60°	225.1
62.5°	169.2
65°	125.6
67.5°	92.5
70°	66.3
72.5°	50.6
75°	36.6
77.5°	27.9
80°	20.9
82.5°	15.7
85°	12.2
87.5°	7.0
90°	0.0

(END OF REPORT)