

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: P364897

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-LI-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364897
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-LI-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3607.0 lumens
Efficiency: N/A
Efficacy: 65.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

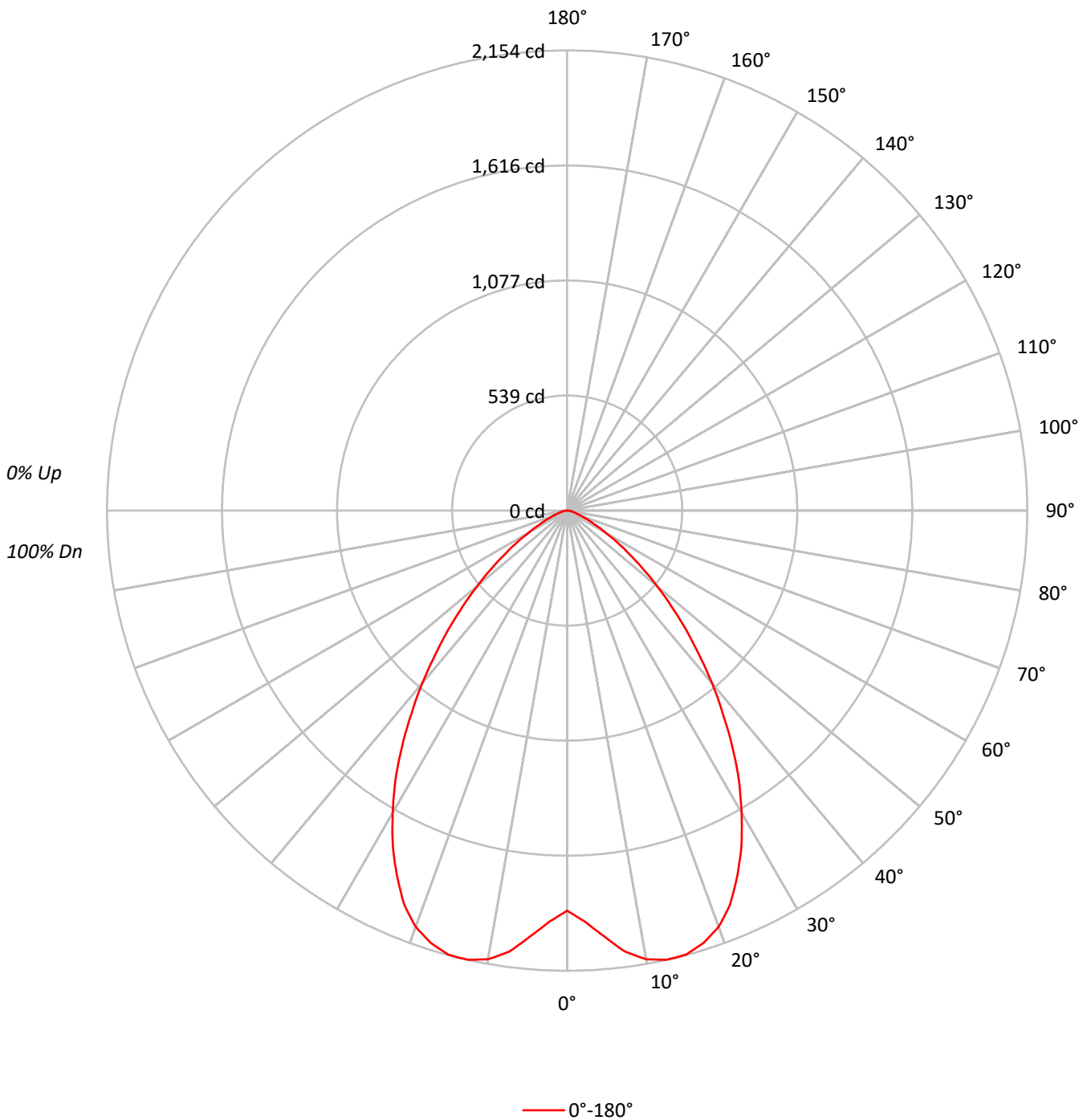
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	75		80	76	73	72
4	91	81	74	69	89	80	73	68	78	72	68		75	71	67		73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	61		69	64	60		68	63	59	58
6	79	68	61	55	77	67	60	55	66	59	55		64	59	54		63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50		59	54	49		58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	42		51	46	41		50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	134053
5°	143851
10°	155025
15°	159508
20°	157987
25°	148946
30°	135056
35°	117776
40°	98732
45°	79479
50°	61199
55°	44503
60°	30202
65°	19941
70°	13001
75°	9959
80°	8783
85°	10762



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.4	5.4
10°-20°	603.7	16.7
20°-30°	862.0	23.9
30°-40°	838.6	23.2
40°-50°	606.6	16.8
50°-60°	325.2	9.0
60°-70°	122.6	3.4
70°-80°	40.3	1.1
80°-90°	12.7	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°	1661.1	46.1
0°-40°	2499.7	69.3
0°-60°	3431.4	95.1
0°-90°	3607.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3607.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1872	
5°	2001	195
15°	2152	604
25°	1885	862
35°	1347	839
45°	785	607
55°	356	325
65°	118	123
75°	36	40
85°	13	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1872.2
2.5°	1926.2
5°	2001.4
7.5°	2083.2
10°	2132.2
12.5°	2153.5
15°	2151.8
17.5°	2122.4
20°	2073.4
22.5°	1994.9
25°	1885.3
27.5°	1767.6
30°	1633.5
32.5°	1496.2
35°	1347.4
37.5°	1196.9
40°	1056.3
42.5°	912.4
45°	784.9
47.5°	660.6
50°	549.4
52.5°	446.4
55°	356.5
57.5°	279.6
60°	210.9
62.5°	158.6
65°	117.7
67.5°	85.0
70°	62.1
72.5°	47.4
75°	36.0
77.5°	27.8
80°	21.3
82.5°	16.4
85°	13.1
87.5°	6.5
90°	0.0

(END OF REPORT)