

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: P365635

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365635
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-MW-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2692.0 lumens
Efficiency: N/A
Efficacy: 48.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

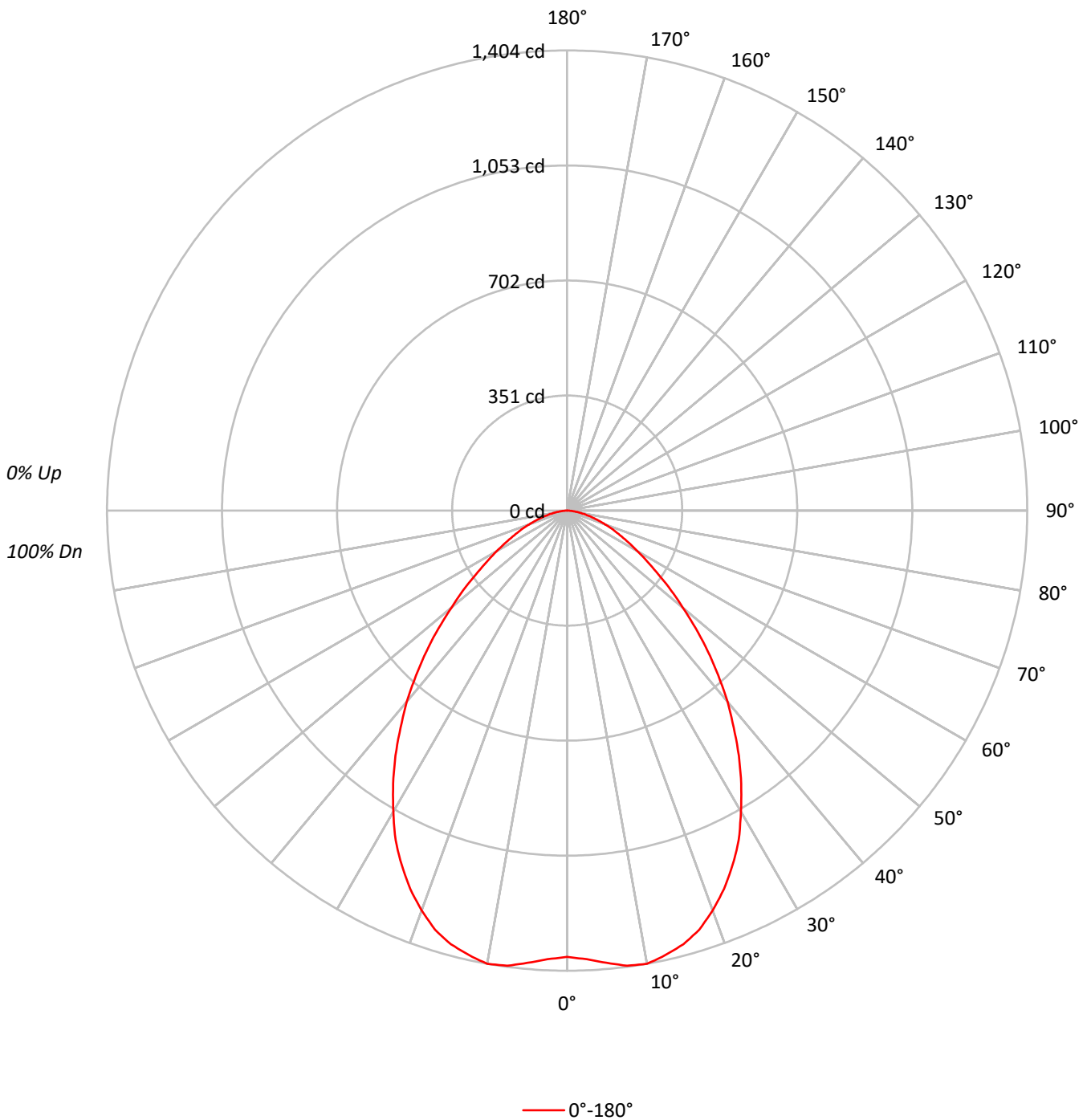
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	103	100	108	105	101	99	101	98	96	97	95	93	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	80	84	81	79	77
3	95	86	79	73	93	84	78	73	81	76	71	79	74	70	76	72	69	67
4	88	77	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53
6	76	64	56	51	74	63	56	50	62	55	50	60	54	49	58	53	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43
8	66	54	46	41	65	54	46	41	52	46	41	51	45	41	50	45	40	39
9	62	50	43	38	61	50	42	37	48	42	37	47	41	37	46	41	37	35
10	59	47	39	34	58	46	39	34	45	39	34	44	38	34	43	38	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	97479
5°	99569
10°	102087
15°	101548
20°	98911
25°	94315
30°	87672
35°	79831
40°	71140
45°	61475
50°	51252
55°	42481
60°	35515
65°	30141
70°	25771
75°	21302
80°	16906
85°	12652



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.9	4.9
10°-20°	384.8	14.3
20°-30°	547.3	20.3
30°-40°	569.1	21.1
40°-50°	467.7	17.4
50°-60°	308.9	11.5
60°-70°	179.0	6.6
70°-80°	83.3	3.1
80°-90°	19.1	0.7
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°	1065.0	39.6
0°-40°	1634.1	60.7
0°-60°	2410.6	89.5
0°-90°	2692.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2692.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1361	
5°	1385	133
15°	1370	385
25°	1194	547
35°	913	569
45°	607	468
55°	340	309
65°	178	179
75°	77	83
85°	15	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1361.4
2.5°	1369.9
5°	1385.3
7.5°	1400.7
10°	1404.1
12.5°	1388.7
15°	1369.9
17.5°	1340.8
20°	1298.1
22.5°	1250.2
25°	1193.8
27.5°	1133.9
30°	1060.4
32.5°	988.5
35°	913.3
37.5°	834.6
40°	761.1
42.5°	682.4
45°	607.1
47.5°	531.9
50°	460.1
52.5°	400.2
55°	340.3
57.5°	290.7
60°	248.0
62.5°	210.4
65°	177.9
67.5°	150.5
70°	123.1
72.5°	99.2
75°	77.0
77.5°	58.1
80°	41.0
82.5°	27.4
85°	15.4
87.5°	6.8
90°	0.0

(END OF REPORT)