

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: P365657

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365657
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)
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-MW-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2981.0 lumens
Efficiency: N/A
Efficacy: 54.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

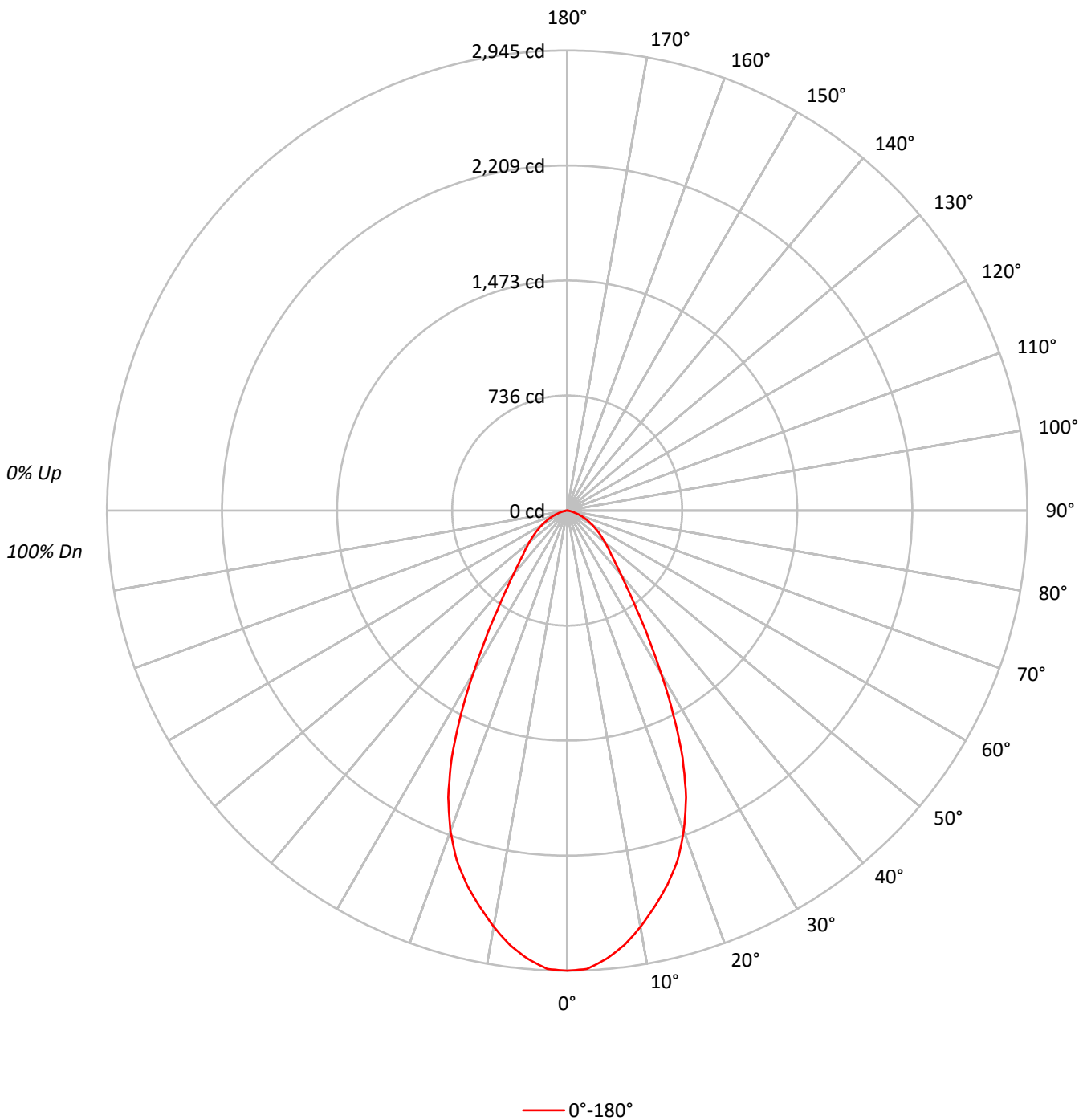
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	103	110	107	104	101	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87		91	88	85		88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	72	69	68
5	87	78	71	66	86	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	210860
5°	207023
10°	196605
15°	183770
20°	166300
25°	138107
30°	99090
35°	68014
40°	50062
45°	40453
50°	35178
55°	30921
60°	26736
65°	22754
70°	17899
75°	12560
80°	7917
85°	8626



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.4	9.0
10°-20°	691.7	23.2
20°-30°	784.6	26.3
30°-40°	502.9	16.9
40°-50°	315.2	10.6
50°-60°	222.3	7.5
60°-70°	133.6	4.5
70°-80°	51.0	1.7
80°-90°	10.2	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°	1745.8	58.6
0°-40°	2248.7	75.4
0°-60°	2786.3	93.5
0°-90°	2981.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2981.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2945	
5°	2880	269
15°	2479	692
25°	1748	785
35°	778	503
45°	400	315
55°	248	222
65°	134	134
75°	45	51
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2944.9
2.5°	2936.2
5°	2880.3
7.5°	2805.3
10°	2704.1
12.5°	2594.2
15°	2479.1
17.5°	2348.2
20°	2182.5
22.5°	1988.8
25°	1748.1
27.5°	1470.7
30°	1198.5
32.5°	968.3
35°	778.1
37.5°	640.3
40°	535.6
42.5°	458.8
45°	399.5
47.5°	355.9
50°	315.8
52.5°	280.9
55°	247.7
57.5°	216.3
60°	186.7
62.5°	160.5
65°	134.3
67.5°	109.9
70°	85.5
72.5°	64.6
75°	45.4
77.5°	31.4
80°	19.2
82.5°	12.2
85°	10.5
87.5°	5.2
90°	0.0

(END OF REPORT)