

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: P365637

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)
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-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3039.0 lumens
Efficiency: N/A
Efficacy: 55.2 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

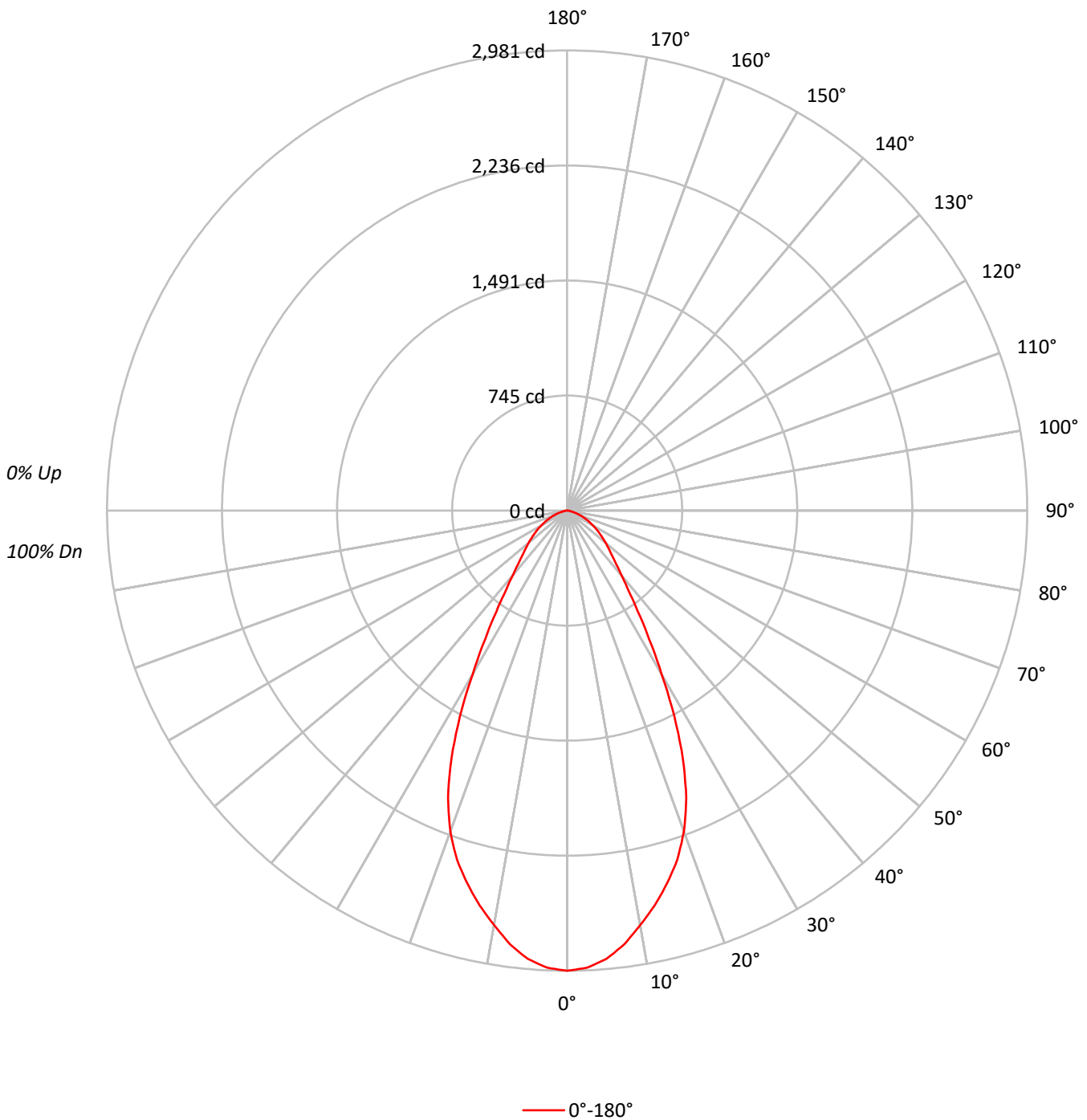
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	84	82
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	213445
5°	209589
10°	198212
15°	185349
20°	168502
25°	140256
30°	101248
35°	69963
40°	51156
45°	41567
50°	36203
55°	31808
60°	27681
65°	23465
70°	18967
75°	13251
80°	8453
85°	9858



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.2	9.0
10°-20°	698.6	23.0
20°-30°	797.9	26.3
30°-40°	514.7	16.9
40°-50°	323.2	10.6
50°-60°	229.2	7.5
60°-70°	138.1	4.5
70°-80°	53.3	1.8
80°-90°	11.6	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°	1768.8	58.2
0°-40°	2283.5	75.1
0°-60°	2835.9	93.3
0°-90°	3039.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3039.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2981	
5°	2916	272
15°	2500	699
25°	1775	798
35°	800	515
45°	410	323
55°	255	229
65°	138	138
75°	48	53
85°	12	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2981.0
2.5°	2963.9
5°	2916.0
7.5°	2834.0
10°	2726.2
12.5°	2620.2
15°	2500.4
17.5°	2372.2
20°	2211.4
22.5°	2016.4
25°	1775.3
27.5°	1503.3
30°	1224.6
32.5°	990.3
35°	800.4
37.5°	653.3
40°	547.3
42.5°	470.3
45°	410.5
47.5°	364.3
50°	325.0
52.5°	289.0
55°	254.8
57.5°	224.0
60°	193.3
62.5°	165.9
65°	138.5
67.5°	112.9
70°	90.6
72.5°	66.7
75°	47.9
77.5°	32.5
80°	20.5
82.5°	13.7
85°	12.0
87.5°	6.8
90°	0.0

(END OF REPORT)