

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: P365642

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365642
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-12)
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-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3205.0 lumens
Efficiency: N/A
Efficacy: 58.2 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

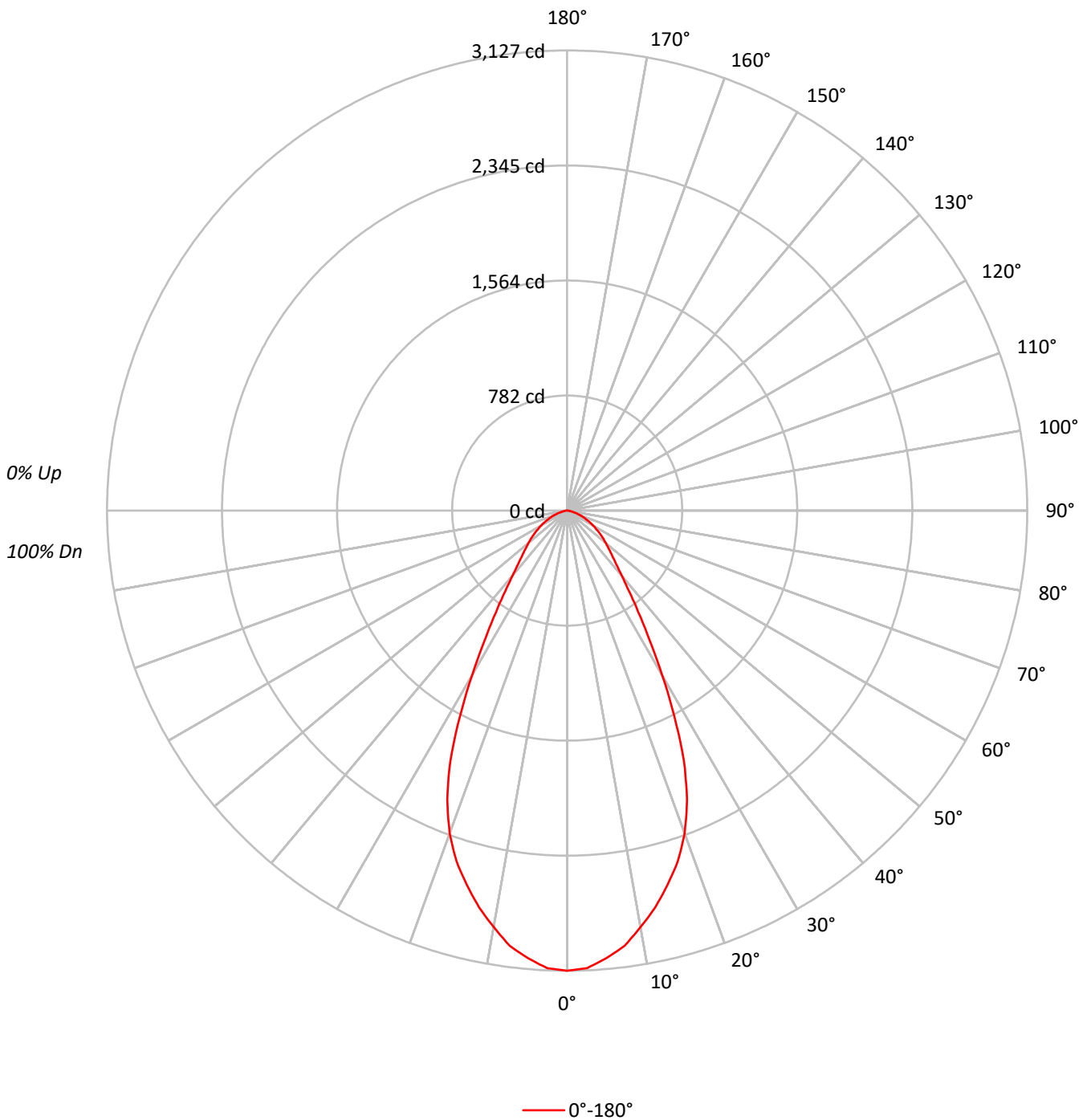
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59	68	63	59	66	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	54	51	59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	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°	223913
5°	219486
10°	208966
15°	195186
20°	177829
25°	148448
30°	106730
35°	73678
40°	53857
45°	43633
50°	38096
55°	33718
60°	29385
65°	24905
70°	20035
75°	14192
80°	9855
85°	11255



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.2	8.9
10°-20°	736.4	23.0
20°-30°	841.7	26.3
30°-40°	541.5	16.9
40°-50°	339.4	10.6
50°-60°	242.3	7.6
60°-70°	146.9	4.6
70°-80°	57.6	1.8
80°-90°	13.0	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°	1864.2	58.2
0°-40°	2405.7	75.1
0°-60°	2987.4	93.2
0°-90°	3205.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3205.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3127	
5°	3054	286
15°	2633	736
25°	1879	842
35°	843	542
45°	431	339
55°	270	242
65°	147	147
75°	51	58
85°	14	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3127.2
2.5°	3111.8
5°	3053.7
7.5°	2983.6
10°	2874.1
12.5°	2763.0
15°	2633.1
17.5°	2499.7
20°	2333.8
22.5°	2128.7
25°	1879.0
27.5°	1578.1
30°	1290.9
32.5°	1037.8
35°	842.9
37.5°	689.0
40°	576.2
42.5°	492.4
45°	430.9
47.5°	383.0
50°	342.0
52.5°	306.1
55°	270.1
57.5°	235.9
60°	205.2
62.5°	176.1
65°	147.0
67.5°	121.4
70°	95.7
72.5°	71.8
75°	51.3
77.5°	35.9
80°	23.9
82.5°	15.4
85°	13.7
87.5°	6.8
90°	0.0

(END OF REPORT)