

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: P365660

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365660
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-FEU6B35-8035-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: 3269.0 lumens
Efficiency: N/A
Efficacy: 59.3 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

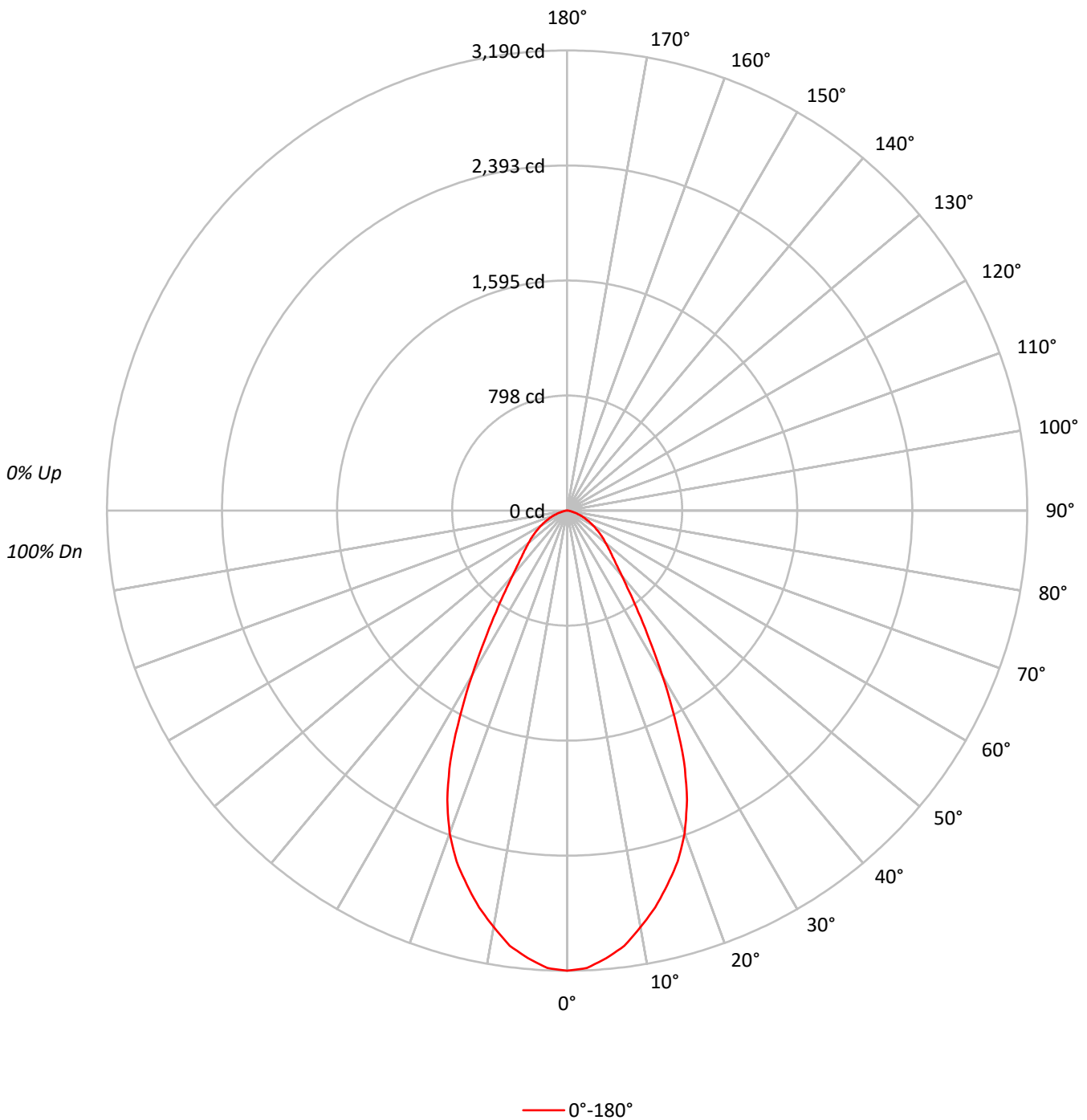
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	228381
5°	223863
10°	213139
15°	199077
20°	181387
25°	151419
30°	108863
35°	75155
40°	54932
45°	44504
50°	38854
55°	34392
60°	29973
65°	25414
70°	20453
75°	14469
80°	10061
85°	11502



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.9	8.9
10°-20°	751.1	23.0
20°-30°	858.5	26.3
30°-40°	552.4	16.9
40°-50°	346.1	10.6
50°-60°	247.2	7.6
60°-70°	149.9	4.6
70°-80°	58.7	1.8
80°-90°	13.3	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°	1901.4	58.2
0°-40°	2453.8	75.1
0°-60°	3047.1	93.2
0°-90°	3269.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3269.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3190	
5°	3115	292
15°	2686	751
25°	1917	858
35°	860	552
45°	440	346
55°	276	247
65°	150	150
75°	52	59
85°	14	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3189.6
2.5°	3173.9
5°	3114.6
7.5°	3043.1
10°	2931.5
12.5°	2818.2
15°	2685.6
17.5°	2549.6
20°	2380.5
22.5°	2171.2
25°	1916.6
27.5°	1609.6
30°	1316.7
32.5°	1058.6
35°	859.8
37.5°	702.8
40°	587.7
42.5°	502.2
45°	439.5
47.5°	390.6
50°	348.8
52.5°	312.2
55°	275.5
57.5°	240.7
60°	209.3
62.5°	179.6
65°	150.0
67.5°	123.8
70°	97.7
72.5°	73.2
75°	52.3
77.5°	36.6
80°	24.4
82.5°	15.7
85°	14.0
87.5°	7.0
90°	0.0

(END OF REPORT)