

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: P365670

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365670
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3057.0 lumens
Efficiency: N/A
Efficacy: 55.5 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

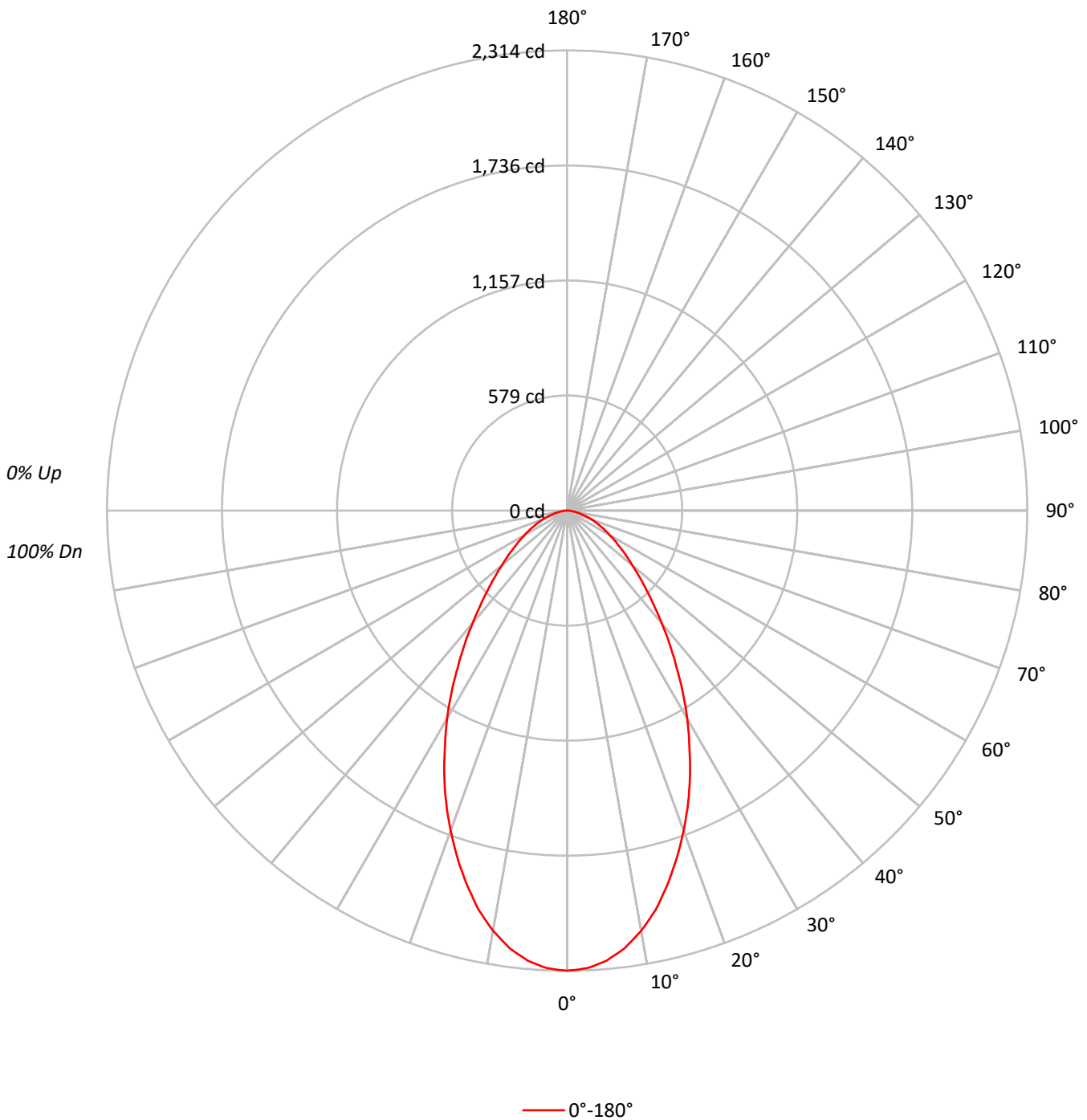
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	165694
5°	163286
10°	155948
15°	144371
20°	130533
25°	115575
30°	99818
35°	83651
40°	69186
45°	57111
50°	47709
55°	40921
60°	35586
65°	31360
70°	27299
75°	22906
80°	18885
85°	14459



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.8	7.0
10°-20°	544.1	17.8
20°-30°	669.3	21.9
30°-40°	600.0	19.6
40°-50°	439.1	14.4
50°-60°	296.9	9.7
60°-70°	184.5	6.0
70°-80°	89.1	2.9
80°-90°	21.1	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°	1426.2	46.7
0°-40°	2026.2	66.3
0°-60°	2762.3	90.4
0°-90°	3057.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3057.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2314	
5°	2272	213
15°	1948	544
25°	1463	669
35°	957	600
45°	564	439
55°	328	297
65°	185	184
75°	83	89
85°	18	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2314.1
2.5°	2303.6
5°	2271.8
7.5°	2219.0
10°	2144.9
12.5°	2056.8
15°	1947.6
17.5°	1833.0
20°	1713.1
22.5°	1589.8
25°	1462.9
27.5°	1330.7
30°	1207.3
32.5°	1080.4
35°	957.0
37.5°	846.0
40°	740.2
42.5°	645.1
45°	564.0
47.5°	491.7
50°	428.3
52.5°	377.2
55°	327.8
57.5°	287.3
60°	248.5
62.5°	215.0
65°	185.1
67.5°	156.9
70°	130.4
72.5°	105.7
75°	82.8
77.5°	61.7
80°	45.8
82.5°	30.0
85°	17.6
87.5°	7.0
90°	0.0

(END OF REPORT)