

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: P365616

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365616
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-FEU6B35-8027-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: 2836.9 lumens
Efficiency: N/A
Efficacy: 51.5 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

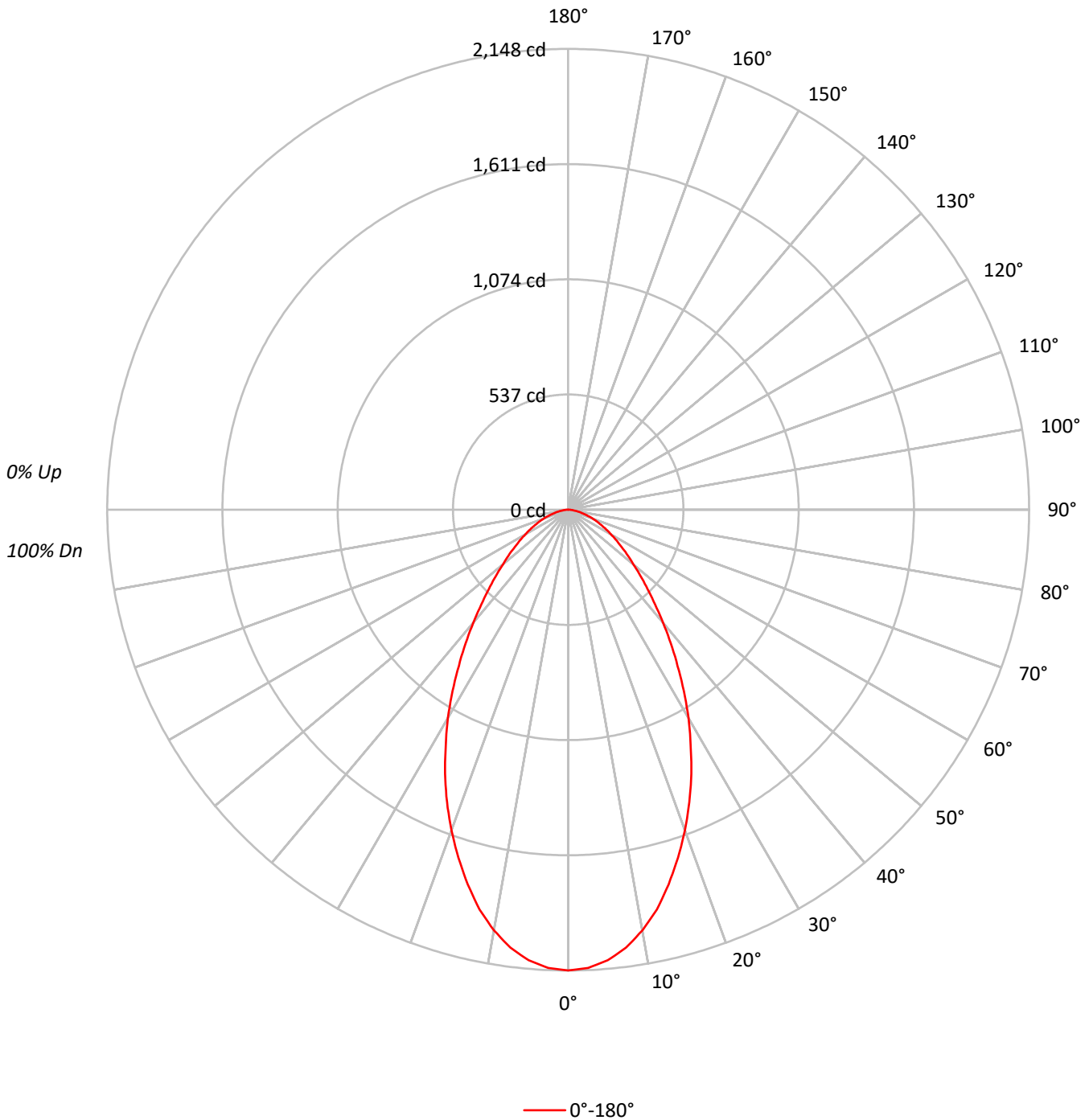
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	153772
5°	151542
10°	144729
15°	133978
20°	121146
25°	107256
30°	92633
35°	77637
40°	64214
45°	53000
50°	44279
55°	37975
60°	33023
65°	29090
70°	25331
75°	21274
80°	17524
85°	13473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.5	7.0
10°-20°	504.9	17.8
20°-30°	621.1	21.9
30°-40°	556.9	19.6
40°-50°	407.5	14.4
50°-60°	275.5	9.7
60°-70°	171.2	6.0
70°-80°	82.7	2.9
80°-90°	19.6	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°	1323.5	46.7
0°-40°	1880.4	66.3
0°-60°	2563.5	90.4
0°-90°	2836.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2836.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2148	
5°	2108	198
15°	1807	505
25°	1358	621
35°	888	557
45°	523	408
55°	304	276
65°	172	171
75°	77	83
85°	16	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2147.6
2.5°	2137.8
5°	2108.4
7.5°	2059.3
10°	1990.6
12.5°	1908.8
15°	1807.4
17.5°	1701.1
20°	1589.9
22.5°	1475.4
25°	1357.6
27.5°	1234.9
30°	1120.4
32.5°	1002.7
35°	888.2
37.5°	785.1
40°	687.0
42.5°	598.6
45°	523.4
47.5°	456.3
50°	397.5
52.5°	350.0
55°	304.2
57.5°	266.6
60°	230.6
62.5°	199.5
65°	171.7
67.5°	145.6
70°	121.0
72.5°	98.1
75°	76.9
77.5°	57.2
80°	42.5
82.5°	27.8
85°	16.4
87.5°	6.5
90°	0.0

(END OF REPORT)