

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: P365690

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365690
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2914.0 lumens
Efficiency: N/A
Efficacy: 52.9 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

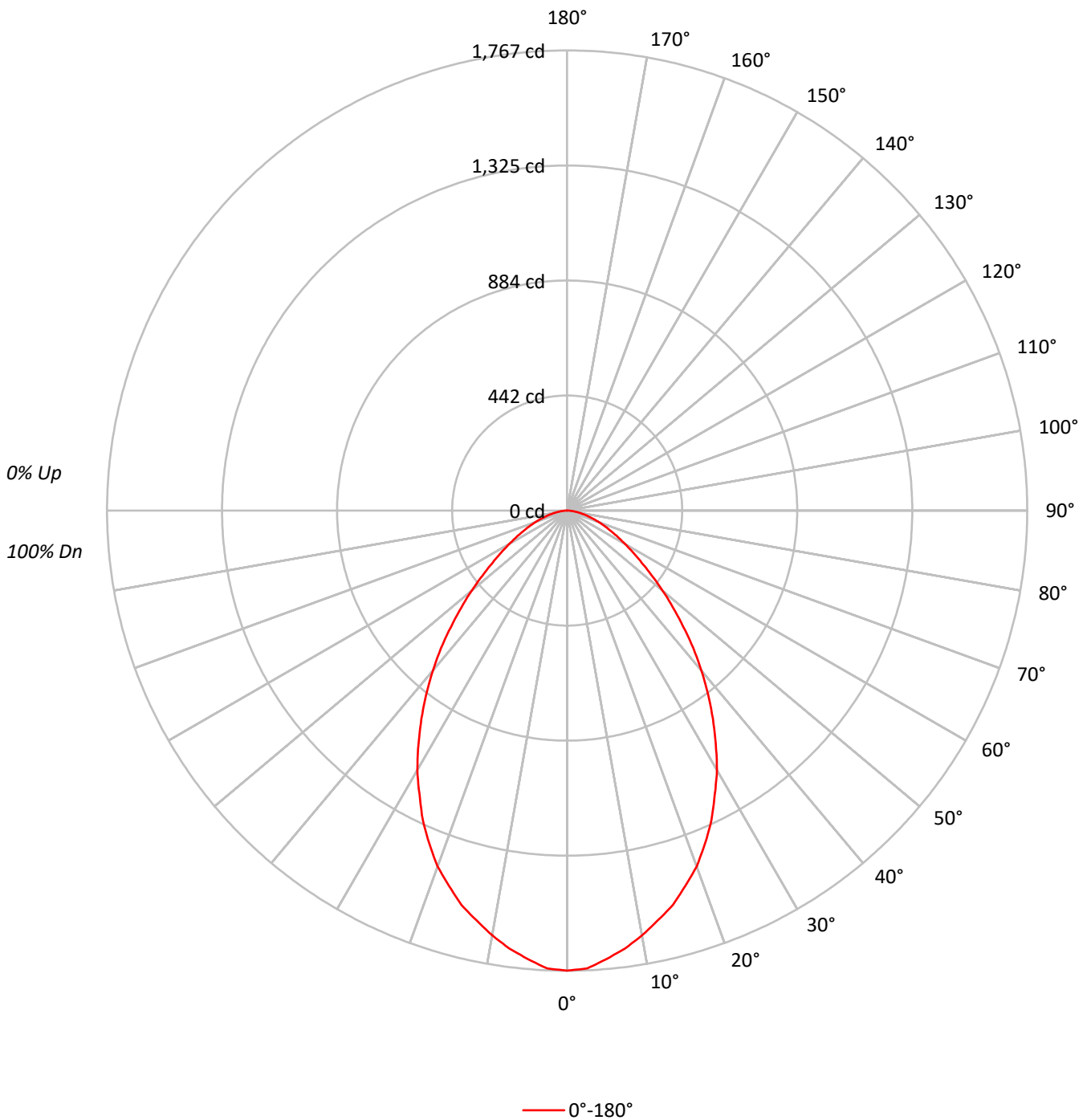
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72		79	75	71		77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64		72	67	63		70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57		66	61	56		64	59	56	54
6	77	65	57	52	75	64	57	51	62	56	51		61	55	50		59	54	50	48
7	72	60	52	46	70	59	52	46	57	51	46		56	50	46		55	50	45	44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51	46	41	40
9	63	51	44	39	62	51	43	39	49	43	38		48	42	38		47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35		45	39	35		44	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	126492
5°	124251
10°	120431
15°	116225
20°	110798
25°	103606
30°	95130
35°	85259
40°	74963
45°	63835
50°	53324
55°	43742
60°	36732
65°	31208
70°	27236
75°	22989
80°	18638
85°	14870



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.8	5.6
10°-20°	439.6	15.1
20°-30°	600.6	20.6
30°-40°	608.6	20.9
40°-50°	488.1	16.7
50°-60°	318.0	10.9
60°-70°	185.7	6.4
70°-80°	89.3	3.1
80°-90°	21.4	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°	1203.0	41.3
0°-40°	1811.6	62.2
0°-60°	2617.7	89.8
0°-90°	2914.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2914.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1767	
5°	1729	163
15°	1568	440
25°	1311	601
35°	975	609
45°	630	488
55°	350	318
65°	184	186
75°	83	89
85°	18	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1766.6
2.5°	1759.4
5°	1728.7
7.5°	1696.2
10°	1656.4
12.5°	1611.3
15°	1567.9
17.5°	1510.1
20°	1454.1
22.5°	1383.7
25°	1311.4
27.5°	1228.3
30°	1150.6
32.5°	1062.1
35°	975.4
37.5°	888.7
40°	802.0
42.5°	717.1
45°	630.4
47.5°	550.9
50°	478.7
52.5°	408.2
55°	350.4
57.5°	299.9
60°	256.5
62.5°	218.6
65°	184.2
67.5°	155.3
70°	130.1
72.5°	104.8
75°	83.1
77.5°	63.2
80°	45.2
82.5°	30.7
85°	18.1
87.5°	7.2
90°	0.0

(END OF REPORT)