

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: P365636

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365636
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-FEU6B35-8030-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: 2760.0 lumens
Efficiency: N/A
Efficacy: 50.1 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

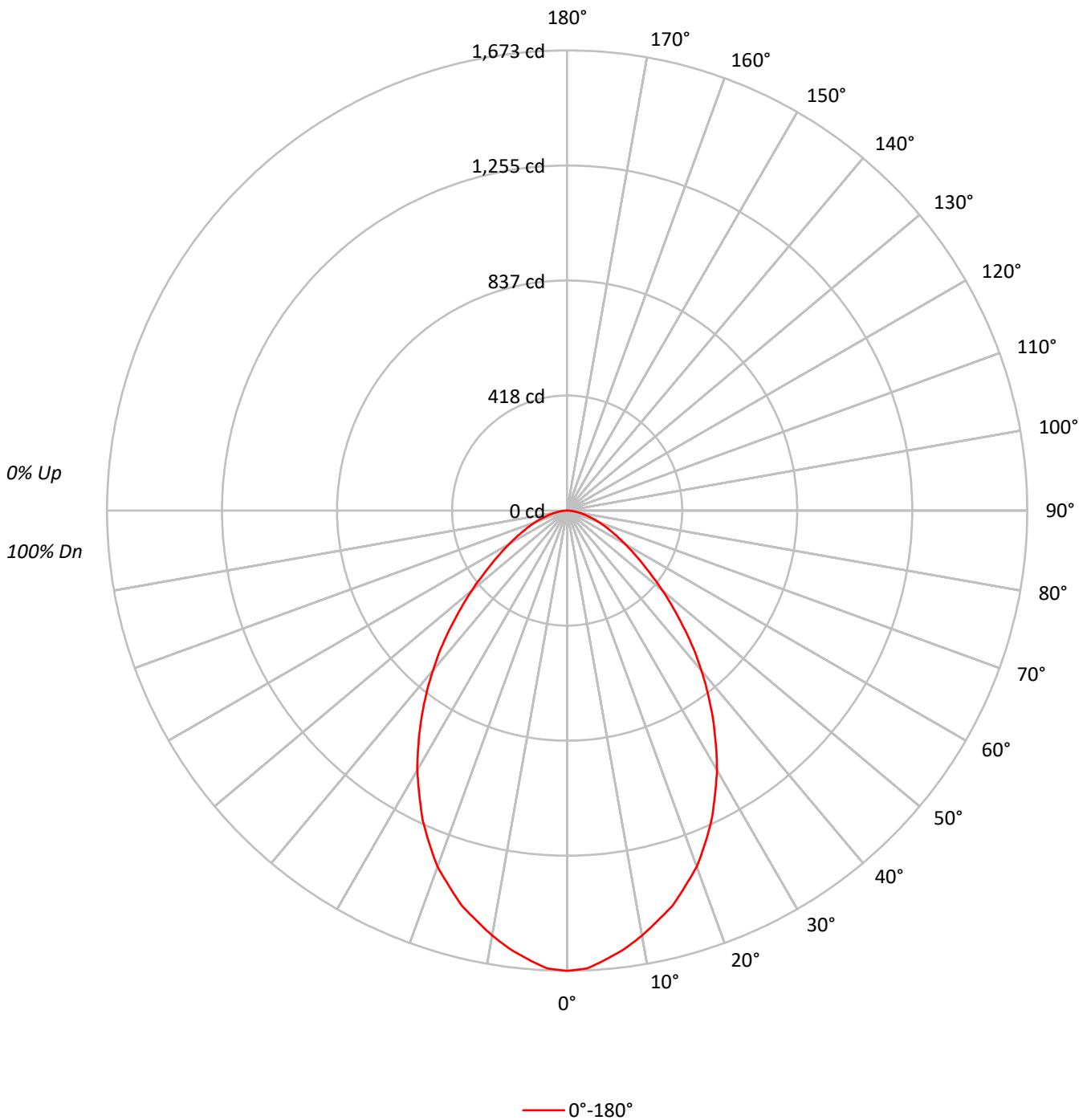
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	119804
5°	117682
10°	114069
15°	110087
20°	104946
25°	98131
30°	90103
35°	80758
40°	70999
45°	60463
50°	50505
55°	41432
60°	34784
65°	29565
70°	25792
75°	21772
80°	17648
85°	14048



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.2	5.6
10°-20°	416.4	15.1
20°-30°	568.8	20.6
30°-40°	576.5	20.9
40°-50°	462.3	16.7
50°-60°	301.2	10.9
60°-70°	175.8	6.4
70°-80°	84.5	3.1
80°-90°	20.2	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°	1139.4	41.3
0°-40°	1715.9	62.2
0°-60°	2479.4	89.8
0°-90°	2760.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2760.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1673	
5°	1637	154
15°	1485	416
25°	1242	569
35°	924	576
45°	597	462
55°	332	301
65°	174	176
75°	79	85
85°	17	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1673.2
2.5°	1666.4
5°	1637.3
7.5°	1606.5
10°	1568.9
12.5°	1526.1
15°	1485.1
17.5°	1430.3
20°	1377.3
22.5°	1310.5
25°	1242.1
27.5°	1163.4
30°	1089.8
32.5°	1006.0
35°	923.9
37.5°	841.8
40°	759.6
42.5°	679.2
45°	597.1
47.5°	521.8
50°	453.4
52.5°	386.7
55°	331.9
57.5°	284.0
60°	242.9
62.5°	207.0
65°	174.5
67.5°	147.1
70°	123.2
72.5°	99.2
75°	78.7
77.5°	59.9
80°	42.8
82.5°	29.1
85°	17.1
87.5°	6.8
90°	0.0

(END OF REPORT)