

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: P365618

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365618
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-FEU6B35-8027-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: 2640.0 lumens
Efficiency: N/A
Efficacy: 47.9 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

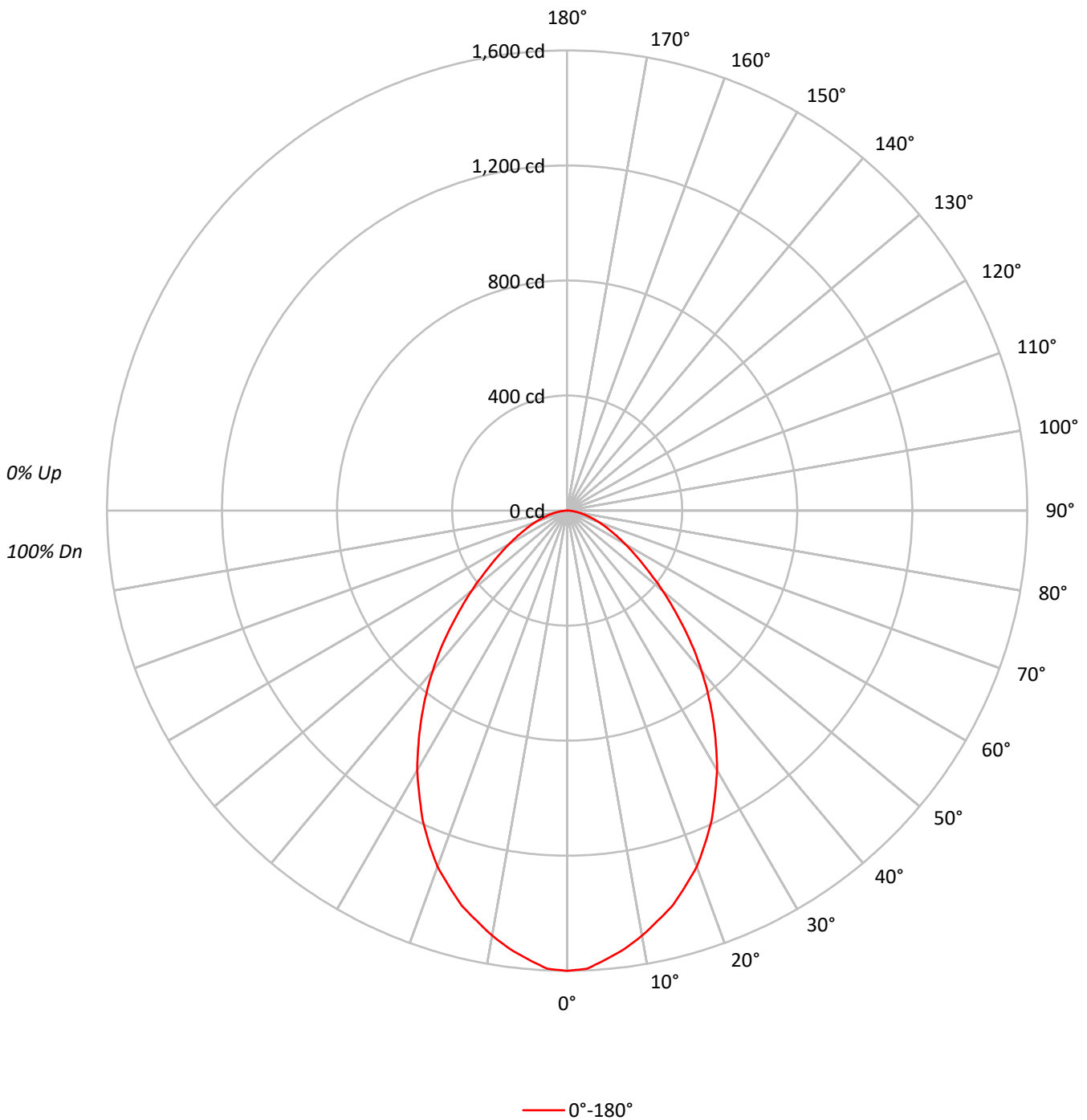
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	114599
5°	112564
10°	109111
15°	105298
20°	100382
25°	93865
30°	86193
35°	77244
40°	67915
45°	57830
50°	48311
55°	39635
60°	33281
65°	28277
70°	24661
75°	20832
80°	16865
85°	13473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.5	5.6
10°-20°	398.3	15.1
20°-30°	544.1	20.6
30°-40°	551.4	20.9
40°-50°	442.2	16.7
50°-60°	288.1	10.9
60°-70°	168.2	6.4
70°-80°	80.9	3.1
80°-90°	19.4	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°	1089.9	41.3
0°-40°	1641.3	62.2
0°-60°	2371.6	89.8
0°-90°	2640.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2640.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1600	
5°	1566	148
15°	1420	398
25°	1188	544
35°	884	551
45°	571	442
55°	318	288
65°	167	168
75°	75	81
85°	16	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1600.5
2.5°	1594.0
5°	1566.1
7.5°	1536.7
10°	1500.7
12.5°	1459.8
15°	1420.5
17.5°	1368.1
20°	1317.4
22.5°	1253.6
25°	1188.1
27.5°	1112.8
30°	1042.5
32.5°	962.3
35°	883.7
37.5°	805.2
40°	726.6
42.5°	649.7
45°	571.1
47.5°	499.1
50°	433.7
52.5°	369.8
55°	317.5
57.5°	271.7
60°	232.4
62.5°	198.0
65°	166.9
67.5°	140.7
70°	117.8
72.5°	94.9
75°	75.3
77.5°	57.3
80°	40.9
82.5°	27.8
85°	16.4
87.5°	6.5
90°	0.0

(END OF REPORT)