

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: P365634

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365634
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-FEU6B35-8030-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: 2965.0 lumens
Efficiency: N/A
Efficacy: 53.8 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

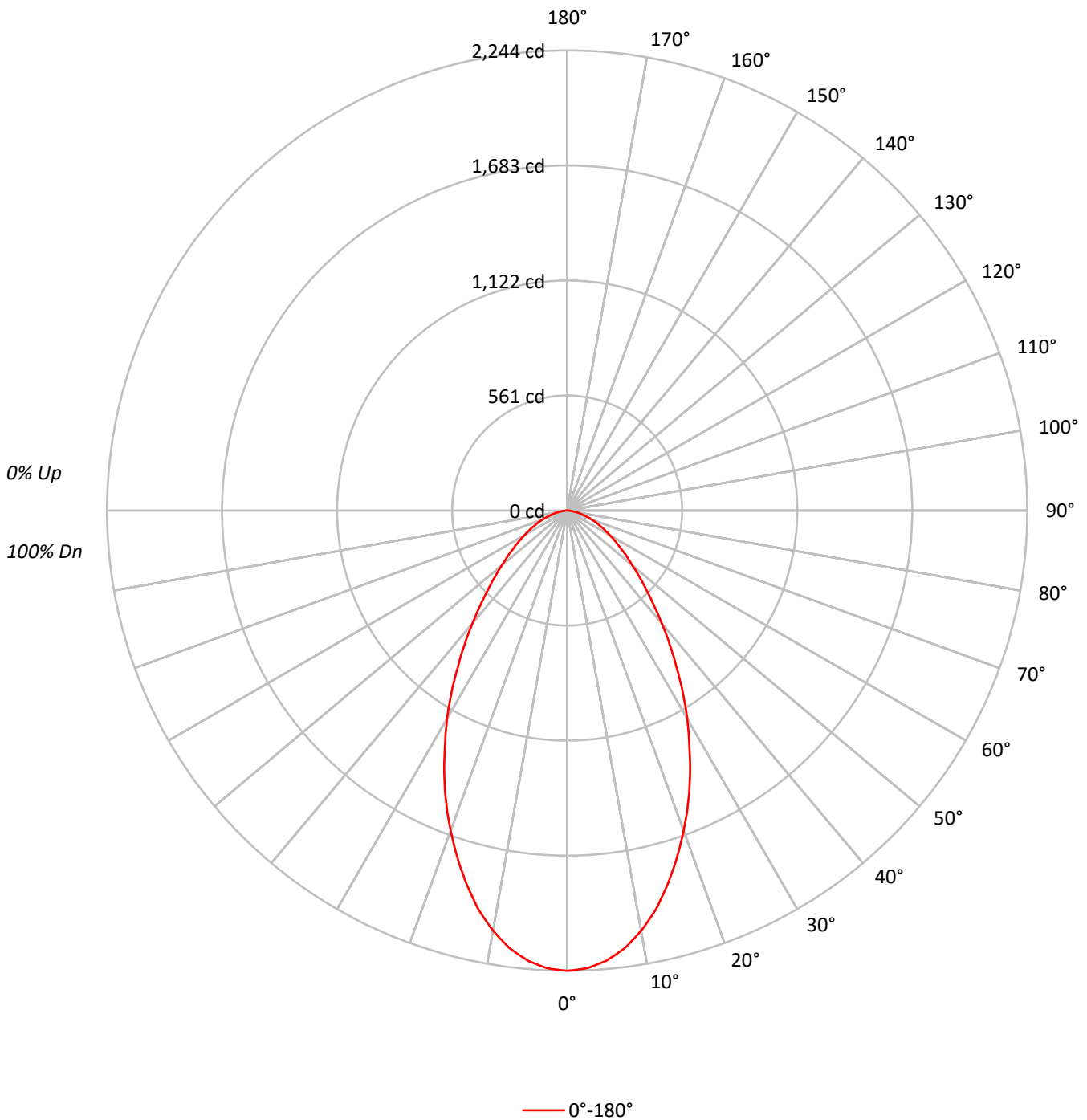
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	160710
5°	158377
10°	151258
15°	140020
20°	126609
25°	112091
30°	96817
35°	81134
40°	67111
45°	55389
50°	46273
55°	39697
60°	34512
65°	30412
70°	26483
75°	22215
80°	18308
85°	14048



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.4	7.0
10°-20°	527.7	17.8
20°-30°	649.1	21.9
30°-40°	582.0	19.6
40°-50°	425.9	14.4
50°-60°	288.0	9.7
60°-70°	178.9	6.0
70°-80°	86.5	2.9
80°-90°	20.5	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
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0°-30°	1383.2	46.7
0°-40°	1965.2	66.3
0°-60°	2679.1	90.4
0°-90°	2965.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2965.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2244	
5°	2204	206
15°	1889	528
25°	1419	649
35°	928	582
45°	547	426
55°	318	288
65°	180	179
75°	80	86
85°	17	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2244.5
2.5°	2234.2
5°	2203.5
7.5°	2152.2
10°	2080.4
12.5°	1994.9
15°	1888.9
17.5°	1777.8
20°	1661.6
22.5°	1541.9
25°	1418.8
27.5°	1290.6
30°	1171.0
32.5°	1047.9
35°	928.2
37.5°	820.5
40°	718.0
42.5°	625.7
45°	547.0
47.5°	476.9
50°	415.4
52.5°	365.8
55°	318.0
57.5°	278.6
60°	241.0
62.5°	208.6
65°	179.5
67.5°	152.1
70°	126.5
72.5°	102.6
75°	80.3
77.5°	59.8
80°	44.4
82.5°	29.1
85°	17.1
87.5°	6.8
90°	0.0

(END OF REPORT)