

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: P366407

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-46)
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-WMH-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3641.9 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

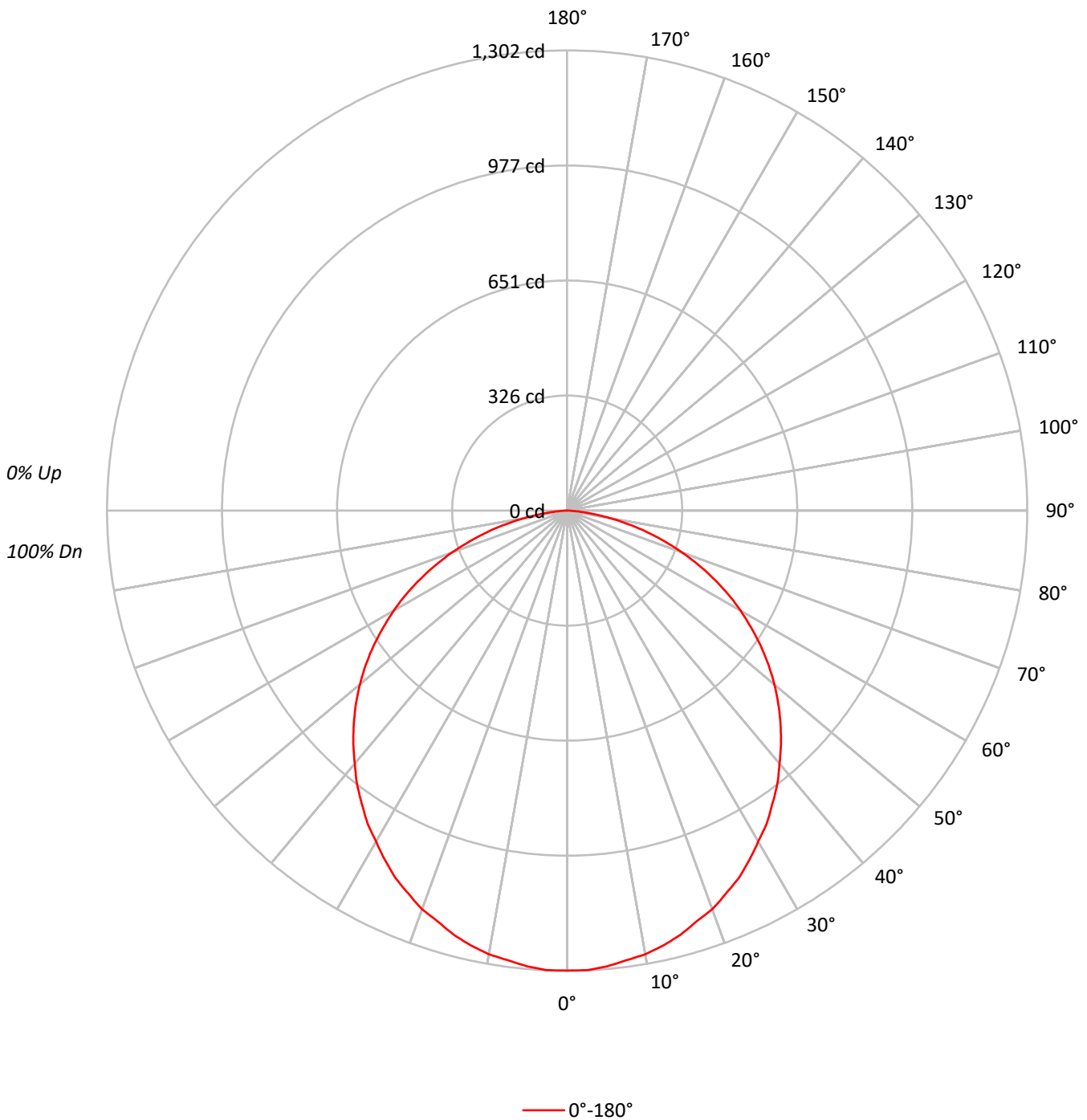
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	94	92		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	76		82	78	74		79	75	72	70
3	90	80	72	65	88	78	71	64	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47		58	51	46		56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36		48	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		44	37	32		42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29		40	34	29		39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	35554
5°	35489
10°	35350
15°	35122
20°	34896
25°	34603
30°	34105
35°	33769
40°	33343
45°	32986
50°	32526
55°	31893
60°	30965
65°	29634
70°	27681
75°	24580
80°	19600
85°	11878



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.9	3.4
10°-20°	350.2	9.6
20°-30°	528.2	14.5
30°-40°	634.0	17.4
40°-50°	658.4	18.1
50°-60°	597.5	16.4
60°-70°	453.3	12.4
70°-80°	246.2	6.8
80°-90°	51.3	1.4
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°	1001.3	27.5
0°-40°	1635.2	44.9
0°-60°	2891.2	79.4
0°-90°	3641.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3641.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1302	
5°	1294	123
15°	1242	350
25°	1148	528
35°	1013	634
45°	854	658
55°	670	598
65°	458	453
75°	233	246
85°	38	51
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1301.6
2.5°	1301.6
5°	1294.3
7.5°	1283.5
10°	1274.5
12.5°	1260.0
15°	1242.0
17.5°	1218.5
20°	1200.5
22.5°	1173.4
25°	1148.1
27.5°	1115.6
30°	1081.3
32.5°	1050.6
35°	1012.7
37.5°	976.6
40°	935.1
42.5°	895.4
45°	853.9
47.5°	810.5
50°	765.4
52.5°	718.5
55°	669.7
57.5°	617.4
60°	566.8
62.5°	514.5
65°	458.5
67.5°	402.6
70°	346.6
72.5°	288.8
75°	232.9
77.5°	176.9
80°	124.6
82.5°	77.6
85°	37.9
87.5°	10.8
90°	0.0

(END OF REPORT)