

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: P364931

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364931
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-42)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-LI-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3597.0 lumens
Efficiency: N/A
Efficacy: 65.3 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

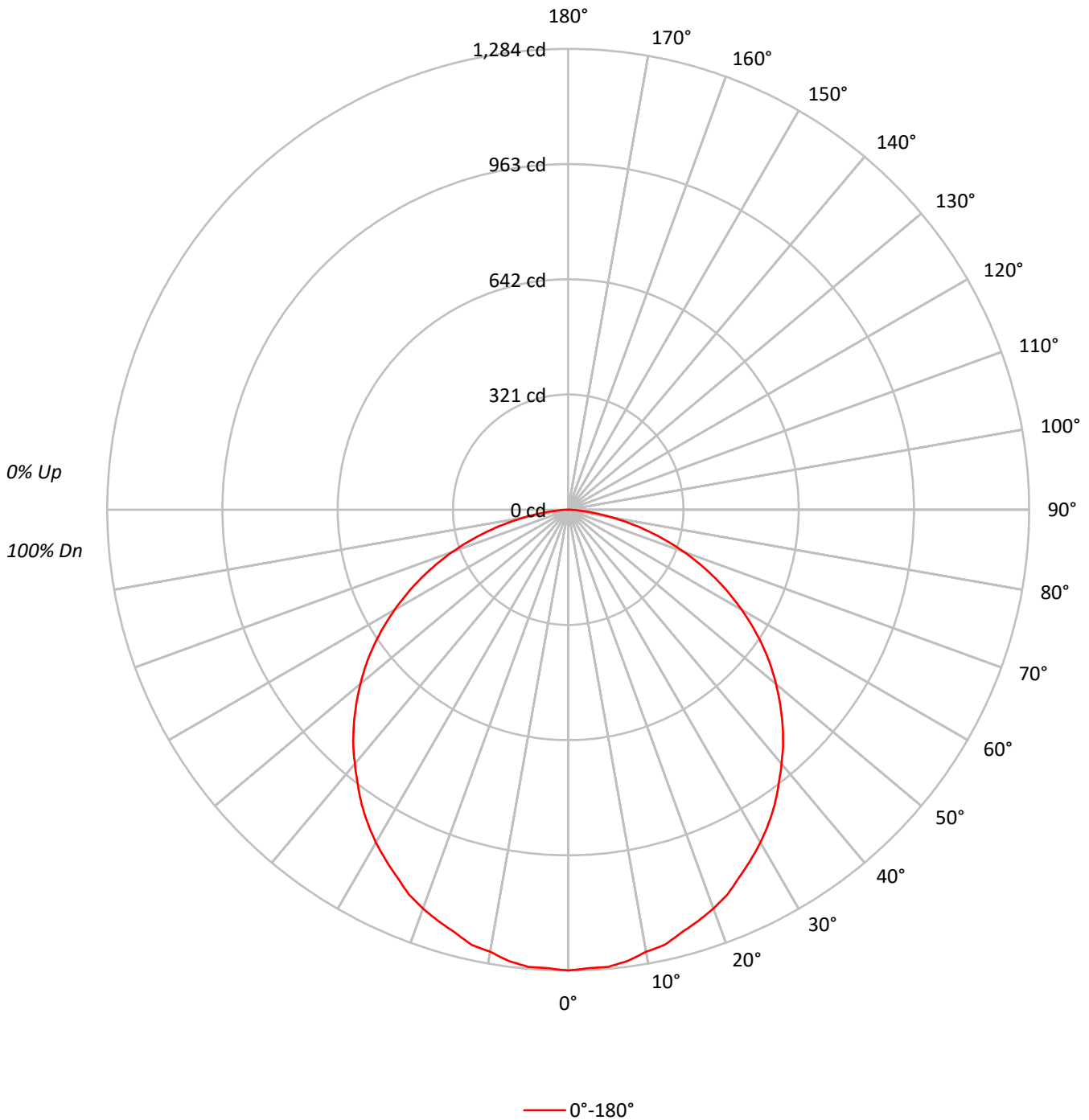
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	75		82	78	74		79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	59	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46		58	51	46		56	50	45	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	34	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°	35070
5°	35059
10°	34690
15°	34480
20°	34379
25°	34015
30°	33780
35°	33446
40°	32965
45°	32615
50°	32096
55°	31483
60°	30495
65°	29201
70°	27306
75°	24305
80°	19490
85°	12035



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.1	3.4
10°-20°	344.8	9.6
20°-30°	521.0	14.5
30°-40°	626.6	17.4
40°-50°	650.9	18.1
50°-60°	590.1	16.4
60°-70°	446.7	12.4
70°-80°	243.9	6.8
80°-90°	51.9	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°	986.9	27.4
0°-40°	1613.6	44.9
0°-60°	2854.5	79.4
0°-90°	3597.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3597.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1284	
5°	1279	121
15°	1219	345
25°	1129	521
35°	1003	627
45°	844	651
55°	661	590
65°	452	447
75°	230	244
85°	38	52
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1283.9
2.5°	1278.6
5°	1278.6
7.5°	1268.2
10°	1250.7
12.5°	1242.0
15°	1219.3
17.5°	1201.9
20°	1182.7
22.5°	1160.0
25°	1128.6
27.5°	1100.7
30°	1071.0
32.5°	1037.9
35°	1003.0
37.5°	962.9
40°	924.5
42.5°	886.1
45°	844.3
47.5°	800.7
50°	755.3
52.5°	710.0
55°	661.1
57.5°	610.5
60°	558.2
62.5°	505.9
65°	451.8
67.5°	397.7
70°	341.9
72.5°	286.1
75°	230.3
77.5°	176.2
80°	123.9
82.5°	78.5
85°	38.4
87.5°	12.2
90°	0.0

(END OF REPORT)