

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: P365651

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365651
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-35)
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-MW-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3145.0 lumens
Efficiency: N/A
Efficacy: 57.1 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

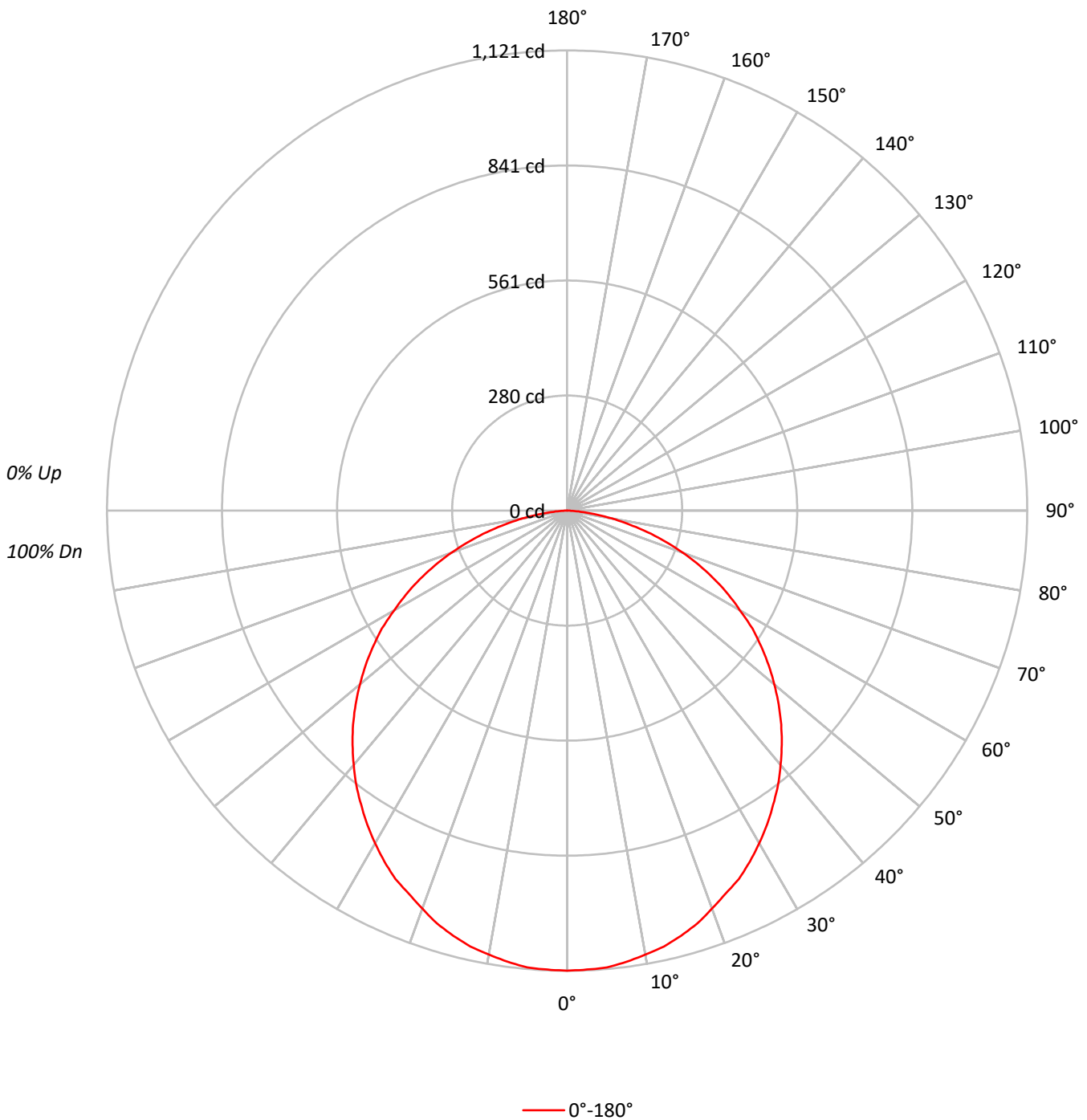
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	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	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	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°	30618
5°	30639
10°	30463
15°	30318
20°	29998
25°	29844
30°	29525
35°	29181
40°	28843
45°	28485
50°	28004
55°	27478
60°	26572
65°	25575
70°	23943
75°	21340
80°	17272
85°	10374



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.0	3.4
10°-20°	302.3	9.6
20°-30°	455.5	14.5
30°-40°	547.8	17.4
40°-50°	568.5	18.1
50°-60°	515.3	16.4
60°-70°	391.0	12.4
70°-80°	213.9	6.8
80°-90°	44.8	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°	863.9	27.5
0°-40°	1411.6	44.9
0°-60°	2495.4	79.3
0°-90°	3145.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3145.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1121	
5°	1117	106
15°	1072	302
25°	990	456
35°	875	548
45°	737	568
55°	577	515
65°	396	391
75°	202	214
85°	33	45
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1120.9
2.5°	1119.2
5°	1117.4
7.5°	1108.7
10°	1098.3
12.5°	1087.8
15°	1072.1
17.5°	1054.7
20°	1032.0
22.5°	1009.4
25°	990.2
27.5°	964.0
30°	936.1
32.5°	906.5
35°	875.1
37.5°	843.7
40°	808.9
42.5°	774.0
45°	737.4
47.5°	699.1
50°	659.0
52.5°	618.9
55°	577.0
57.5°	535.2
60°	486.4
62.5°	442.8
65°	395.7
67.5°	348.7
70°	299.8
72.5°	251.0
75°	202.2
77.5°	153.4
80°	109.8
82.5°	68.0
85°	33.1
87.5°	8.7
90°	0.0

(END OF REPORT)