

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: P364947

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364947
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-44)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2024.0 lumens
Efficiency: N/A
Efficacy: 36.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

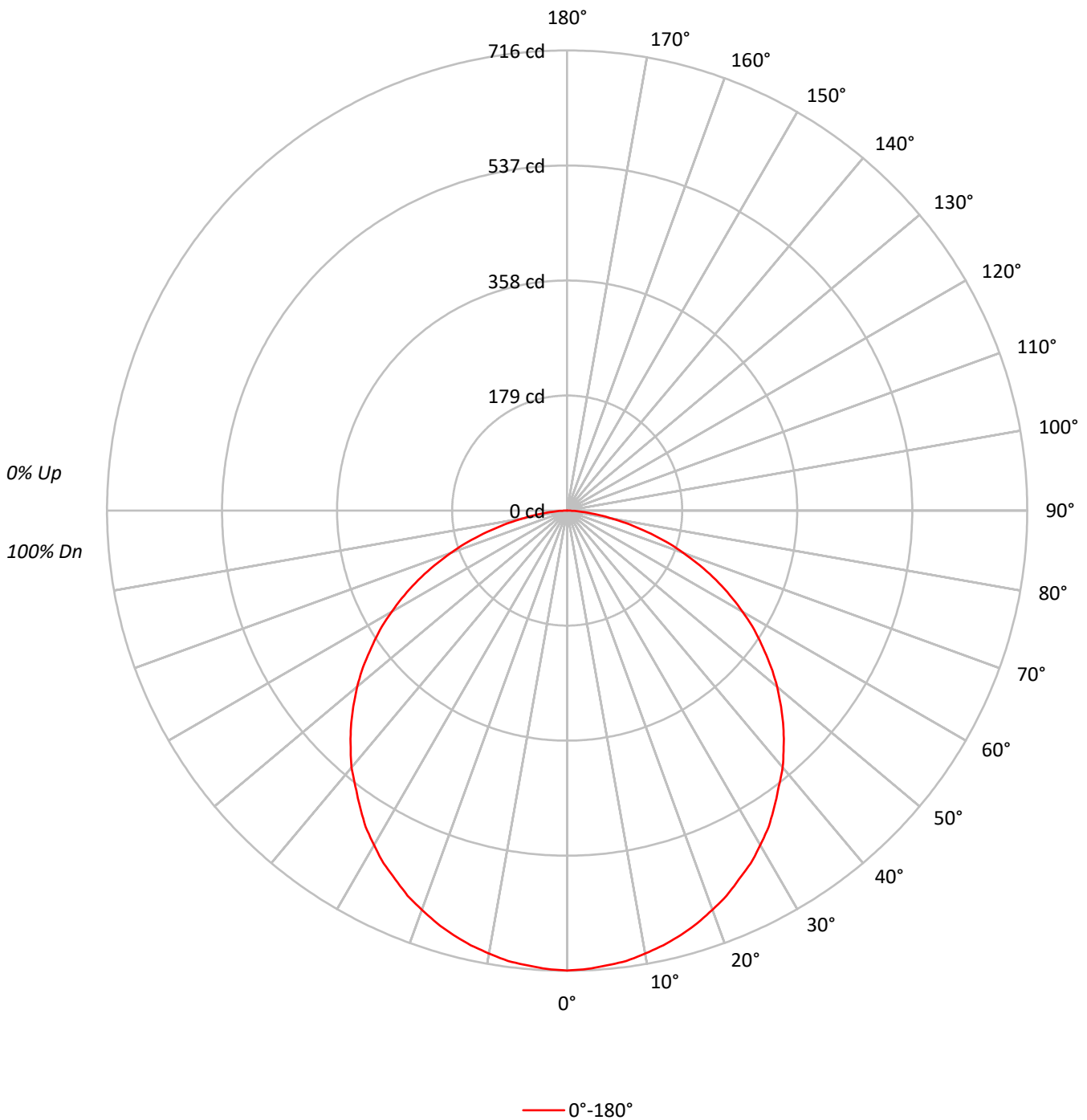
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P364947

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BL89AM

Luminous Intensity Polar Plot





TEST NUMBER: P364947

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BL89AM

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	94	98	94	91		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	68	63		72	67	62		70	65	61	59
4	82	70	62	55	80	69	61	54	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	42	36	63	50	42	36	49	41	36		47	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29		40	33	29		39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	19550
5°	19479
10°	19410
15°	19340
20°	19214
25°	19072
30°	18959
35°	18750
40°	18606
45°	18384
50°	18128
55°	17711
60°	17236
65°	16520
70°	15342
75°	13583
80°	11090
85°	7177



TEST NUMBER: P364947

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BL89AM

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.5	3.3
10°-20°	192.9	9.5
20°-30°	292.1	14.4
30°-40°	352.1	17.4
40°-50°	366.9	18.1
50°-60°	332.9	16.4
60°-70°	252.1	12.5
70°-80°	137.3	6.8
80°-90°	30.2	1.5
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°	552.5	27.3
0°-40°	904.6	44.7
0°-60°	1604.4	79.3
0°-90°	2024.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2024.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	716	
5°	710	68
15°	684	193
25°	633	292
35°	562	352
45°	476	367
55°	372	333
65°	256	252
75°	129	137
85°	23	30
90°	0	



TEST NUMBER: P364947

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BL89AM

CANDELA DISTRIBUTION (FULL):

0°	
0°	715.7
2.5°	713.9
5°	710.4
7.5°	706.8
10°	699.8
12.5°	692.7
15°	683.9
17.5°	673.3
20°	661.0
22.5°	648.7
25°	632.8
27.5°	618.7
30°	601.1
32.5°	583.5
35°	562.3
37.5°	541.1
40°	521.8
42.5°	498.8
45°	475.9
47.5°	451.2
50°	426.6
52.5°	400.1
55°	371.9
57.5°	345.5
60°	315.5
62.5°	285.6
65°	255.6
67.5°	223.9
70°	192.1
72.5°	162.2
75°	128.7
77.5°	98.7
80°	70.5
82.5°	44.1
85°	22.9
87.5°	8.8
90°	0.0

(END OF REPORT)