

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: P365678

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365678
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-12)
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-MW-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3304.0 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

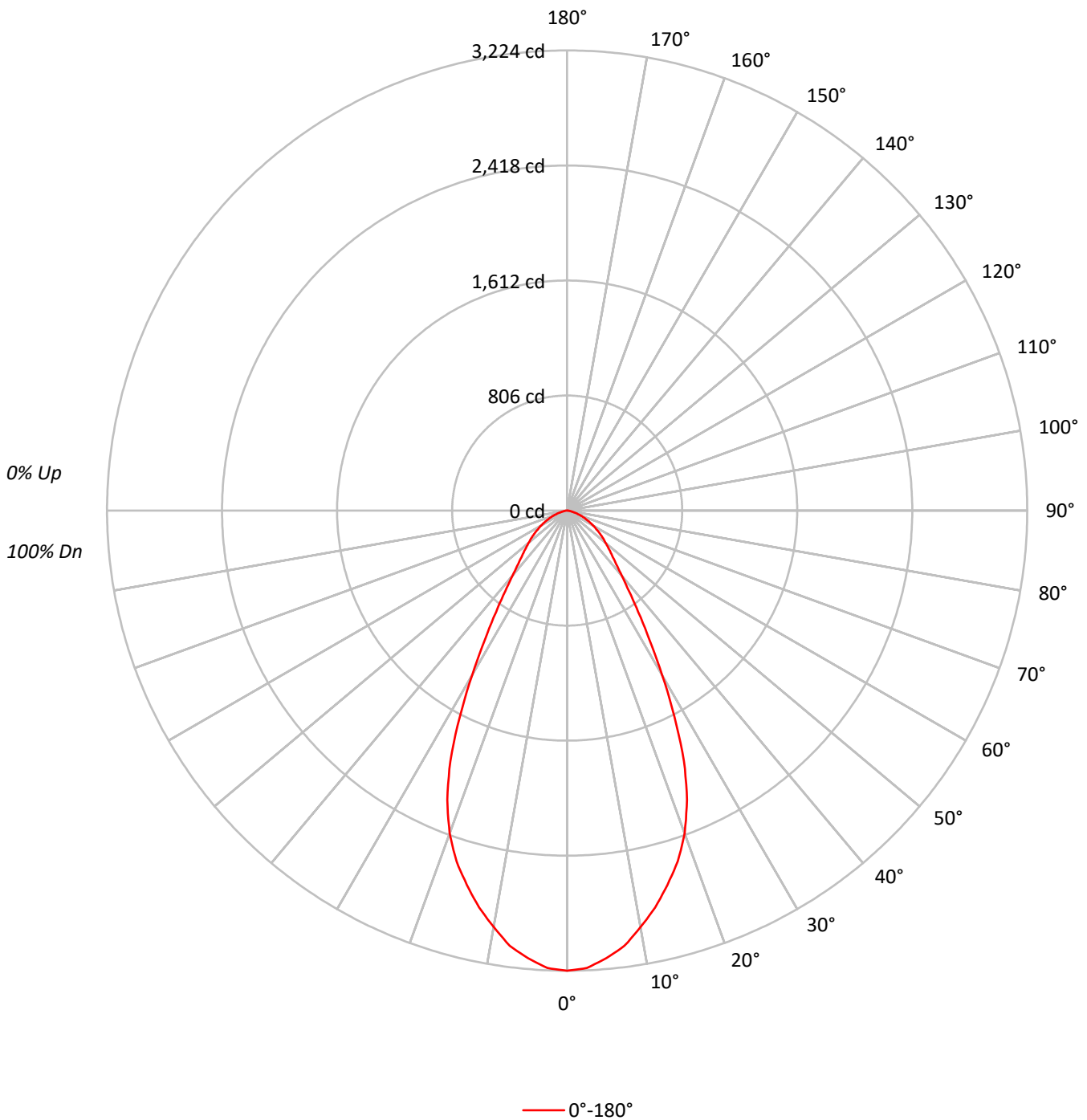
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365678

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BTR89BV

Luminous Intensity Polar Plot





TEST NUMBER: P365678

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BTR89BV

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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		66	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	54	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	230830
5°	226264
10°	215422
15°	201212
20°	183323
25°	153038
30°	110029
35°	75959
40°	55521
45°	44980
50°	39266
55°	34766
60°	30288
65°	25685
70°	20663
75°	14635
80°	10185
85°	11584



TEST NUMBER: P365678

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BTR89BV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.0	8.9
10°-20°	759.1	23.0
20°-30°	867.7	26.3
30°-40°	558.3	16.9
40°-50°	349.9	10.6
50°-60°	249.8	7.6
60°-70°	151.5	4.6
70°-80°	59.4	1.8
80°-90°	13.5	0.4
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°	1921.8	58.2
0°-40°	2480.0	75.1
0°-60°	3079.7	93.2
0°-90°	3304.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3304.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3224	
5°	3148	295
15°	2714	759
25°	1937	868
35°	869	558
45°	444	350
55°	278	250
65°	152	151
75°	53	59
85°	14	13
90°	0	



TEST NUMBER: P365678

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BTR89BV

CANDELA DISTRIBUTION (FULL):

	0°
0°	3223.8
2.5°	3207.9
5°	3148.0
7.5°	3075.7
10°	2962.9
12.5°	2848.3
15°	2714.4
17.5°	2576.9
20°	2405.9
22.5°	2194.4
25°	1937.1
27.5°	1626.9
30°	1330.8
32.5°	1069.9
35°	869.0
37.5°	710.3
40°	594.0
42.5°	507.6
45°	444.2
47.5°	394.8
50°	352.5
52.5°	315.5
55°	278.5
57.5°	243.2
60°	211.5
62.5°	181.5
65°	151.6
67.5°	125.1
70°	98.7
72.5°	74.0
75°	52.9
77.5°	37.0
80°	24.7
82.5°	15.9
85°	14.1
87.5°	7.1
90°	0.0

(END OF REPORT)