

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: P365694

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365694
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)
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-MW-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3142.0 lumens
Efficiency: N/A
Efficacy: 57.0 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

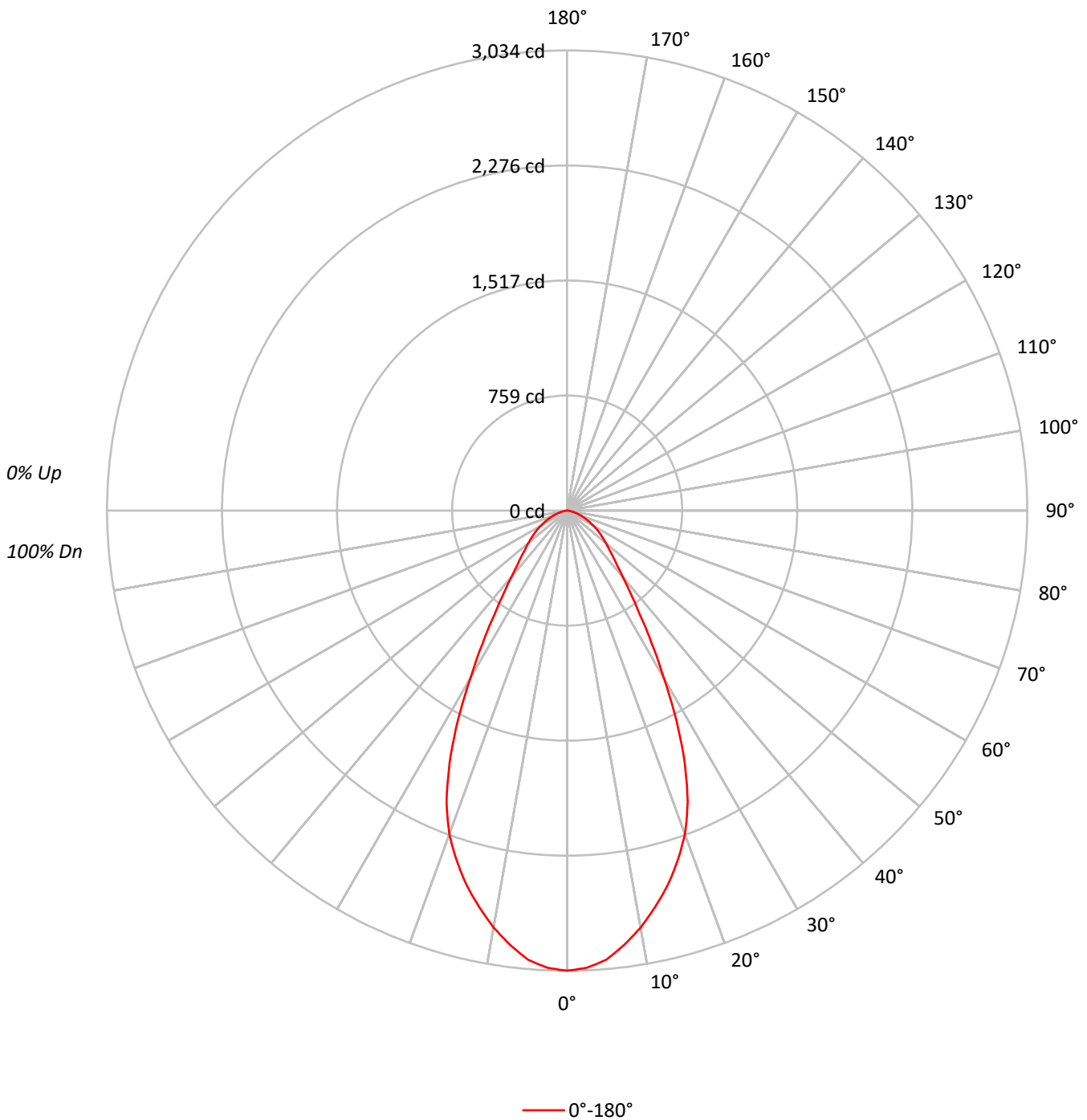
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	106	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	92	84	77	72	91	82	76	71	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	61
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44		53	48	44		52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	217204
5°	213621
10°	202953
15°	189648
20°	173051
25°	144885
30°	105465
35°	72961
40°	53362
45°	42995
50°	37227
55°	32931
60°	28712
65°	24482
70°	20056
75°	14994
80°	10432
85°	8873



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.6	8.8
10°-20°	714.5	22.7
20°-30°	824.8	26.3
30°-40°	537.9	17.1
40°-50°	333.9	10.6
50°-60°	237.1	7.5
60°-70°	144.1	4.6
70°-80°	59.7	1.9
80°-90°	12.3	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°	1817.0	57.8
0°-40°	2354.8	74.9
0°-60°	2925.9	93.1
0°-90°	3142.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3142.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3034	
5°	2972	278
15°	2558	715
25°	1834	825
35°	835	538
45°	425	334
55°	264	237
65°	144	144
75°	54	60
85°	11	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3033.5
2.5°	3017.3
5°	2972.1
7.5°	2887.2
10°	2791.4
12.5°	2677.6
15°	2558.4
17.5°	2421.0
20°	2271.1
22.5°	2077.8
25°	1833.9
27.5°	1561.0
30°	1275.6
32.5°	1037.1
35°	834.7
37.5°	684.8
40°	570.9
42.5°	486.0
45°	424.6
47.5°	374.0
50°	334.2
52.5°	298.1
55°	263.8
57.5°	233.1
60°	200.5
62.5°	171.6
65°	144.5
67.5°	119.2
70°	95.8
72.5°	74.1
75°	54.2
77.5°	37.9
80°	25.3
82.5°	16.3
85°	10.8
87.5°	5.4
90°	0.0

(END OF REPORT)