

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: P365656

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8035-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365656
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-16)
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-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3077.1 lumens
Efficiency: N/A
Efficacy: 55.8 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

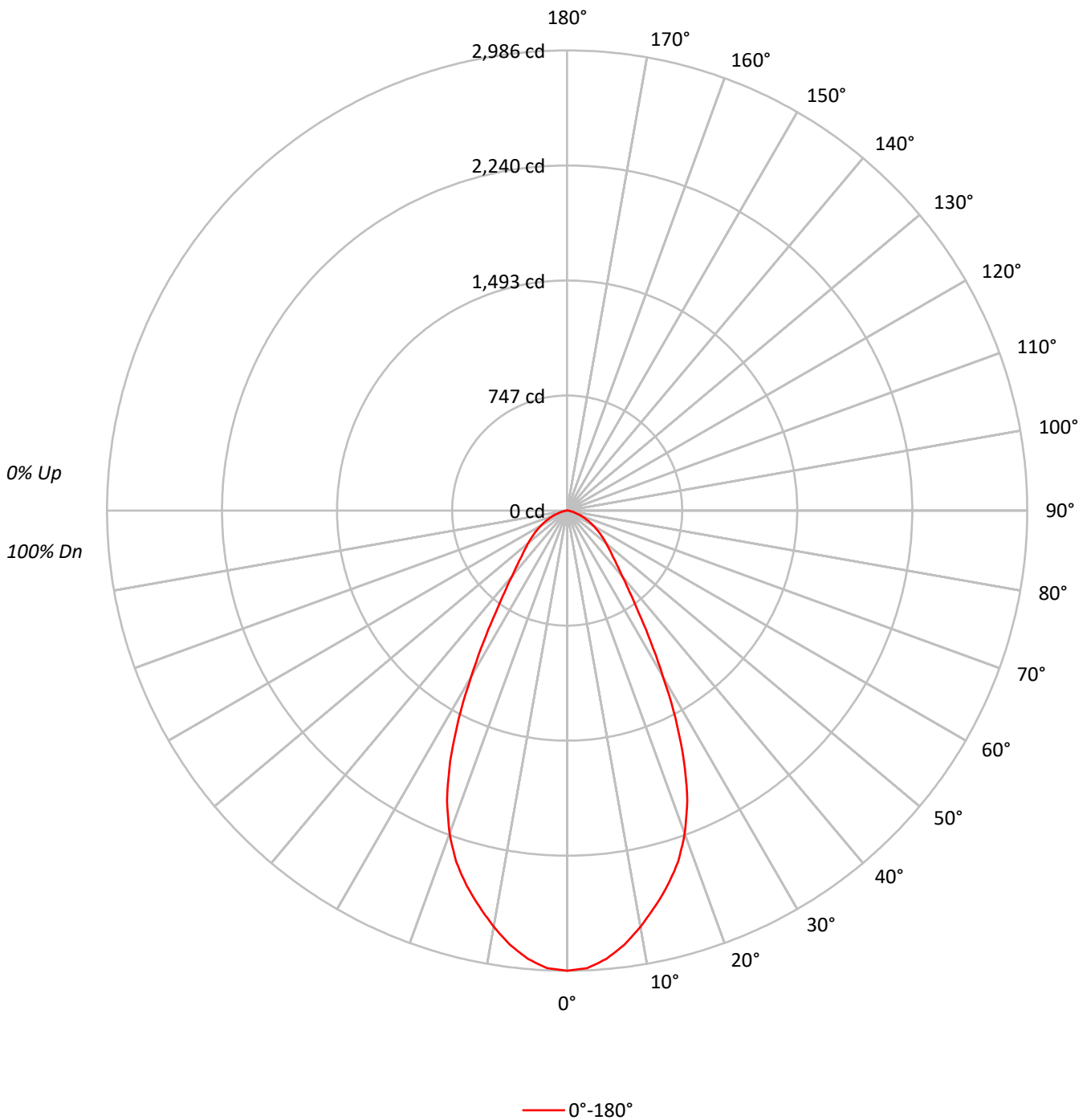
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	73	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	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		64	58	54		62	58	54	52
8	73	63	56	51	72	62	55	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	45
10	66	55	49	45	65	55	49	44	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	213803
5°	209854
10°	199346
15°	186698
20°	169980
25°	141796
30°	102819
35°	70741
40°	52006
45°	42215
50°	36715
55°	32444
60°	28225
65°	23940
70°	19344
75°	13998
80°	9360
85°	10023



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.0	8.9
10°-20°	703.5	22.9
20°-30°	807.3	26.2
30°-40°	522.5	17.0
40°-50°	328.3	10.7
50°-60°	233.6	7.6
60°-70°	140.9	4.6
70°-80°	56.0	1.8
80°-90°	12.1	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°	1783.7	58.0
0°-40°	2306.2	74.9
0°-60°	2868.1	93.2
0°-90°	3077.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3077.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2986	
5°	2920	273
15°	2519	703
25°	1795	807
35°	809	522
45°	417	328
55°	260	234
65°	141	141
75°	51	56
85°	12	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2986.0
2.5°	2972.1
5°	2919.7
7.5°	2841.3
10°	2741.8
12.5°	2632.0
15°	2518.6
17.5°	2391.3
20°	2230.8
22.5°	2037.2
25°	1794.8
27.5°	1524.4
30°	1243.6
32.5°	1006.4
35°	809.3
37.5°	664.5
40°	556.4
42.5°	477.9
45°	416.9
47.5°	369.8
50°	329.6
52.5°	294.8
55°	259.9
57.5°	228.5
60°	197.1
62.5°	169.2
65°	141.3
67.5°	115.1
70°	92.4
72.5°	69.8
75°	50.6
77.5°	34.9
80°	22.7
82.5°	14.0
85°	12.2
87.5°	7.0
90°	0.0

(END OF REPORT)