

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: P366355

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366355
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-31)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-WMH-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3666.0 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

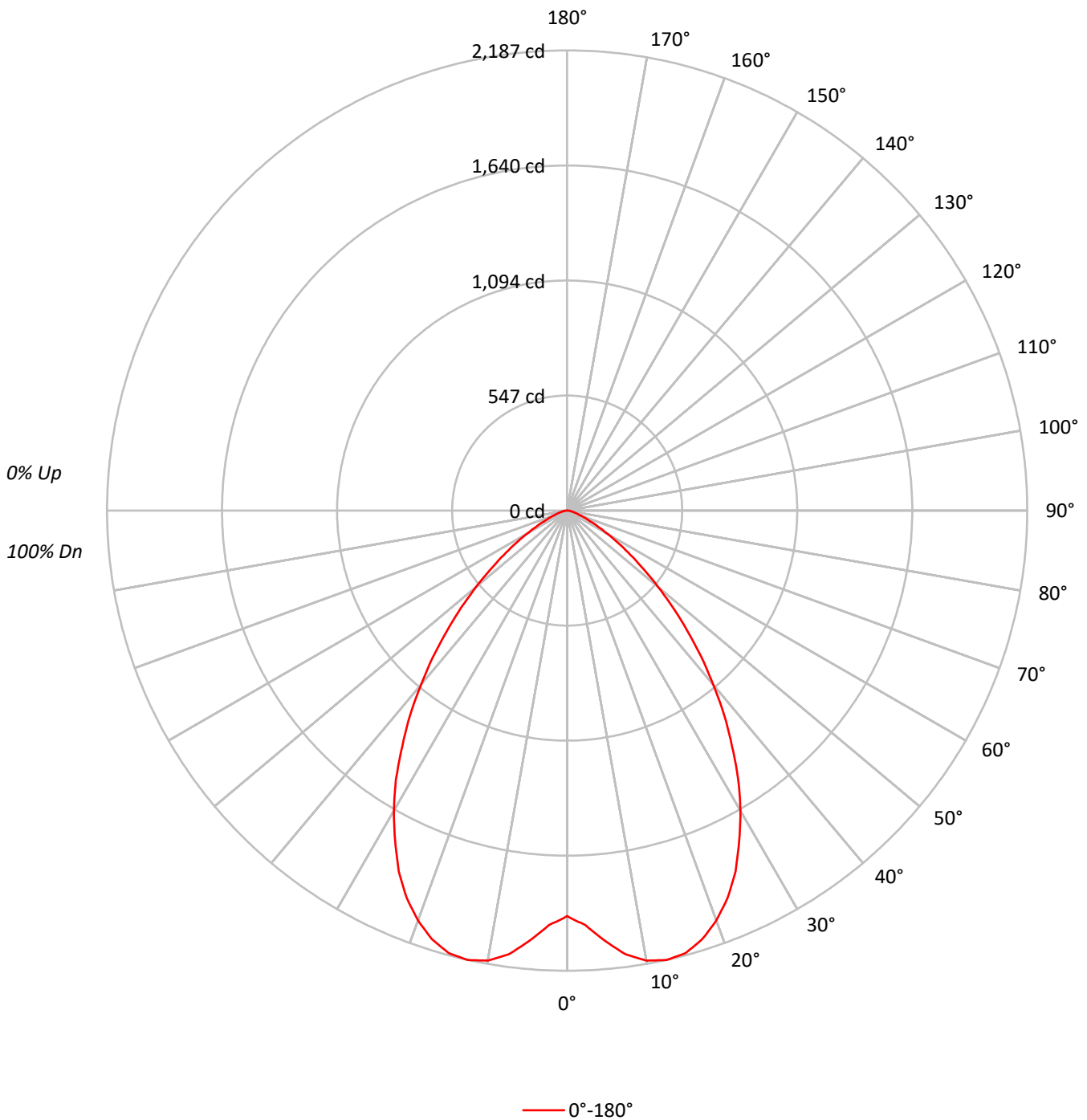
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	74		80	76	73	71
4	91	81	74	69	89	80	73	68	78	72	67		75	71	67		73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	60		69	64	60		68	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55		64	58	54		62	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49		59	53	49		58	53	49	47
8	69	58	51	46	68	57	50	45	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	39
10	62	50	43	38	60	49	43	38	49	42	38		48	42	38		47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	137998
5°	147495
10°	157911
15°	161376
20°	157934
25°	149562
30°	136155
35°	119437
40°	100863
45°	81565
50°	62859
55°	45901
60°	31591
65°	20856
70°	13608
75°	9932
80°	8453
85°	9858



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.7	5.4
10°-20°	609.6	16.6
20°-30°	863.8	23.6
30°-40°	851.9	23.2
40°-50°	624.4	17.0
50°-60°	334.8	9.1
60°-70°	128.7	3.5
70°-80°	41.0	1.1
80°-90°	12.1	0.3
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°	1673.1	45.6
0°-40°	2525.0	68.9
0°-60°	3484.2	95.0
0°-90°	3666.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3666.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1927	
5°	2052	200
15°	2177	610
25°	1893	864
35°	1366	852
45°	806	624
55°	368	335
65°	123	129
75°	36	41
85°	12	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1927.3
2.5°	1971.8
5°	2052.1
7.5°	2127.4
10°	2171.9
12.5°	2187.2
15°	2177.0
17.5°	2135.9
20°	2072.7
22.5°	1992.3
25°	1893.1
27.5°	1770.0
30°	1646.8
32.5°	1513.5
35°	1366.4
37.5°	1226.2
40°	1079.1
42.5°	944.0
45°	805.5
47.5°	682.3
50°	564.3
52.5°	458.3
55°	367.7
57.5°	287.3
60°	220.6
62.5°	165.9
65°	123.1
67.5°	90.6
70°	65.0
72.5°	49.6
75°	35.9
77.5°	27.4
80°	20.5
82.5°	15.4
85°	12.0
87.5°	6.8
90°	0.0

(END OF REPORT)