

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: P365640

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365640
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-FEU6B35-8030-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: 2975.1 lumens
Efficiency: N/A
Efficacy: 54.0 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

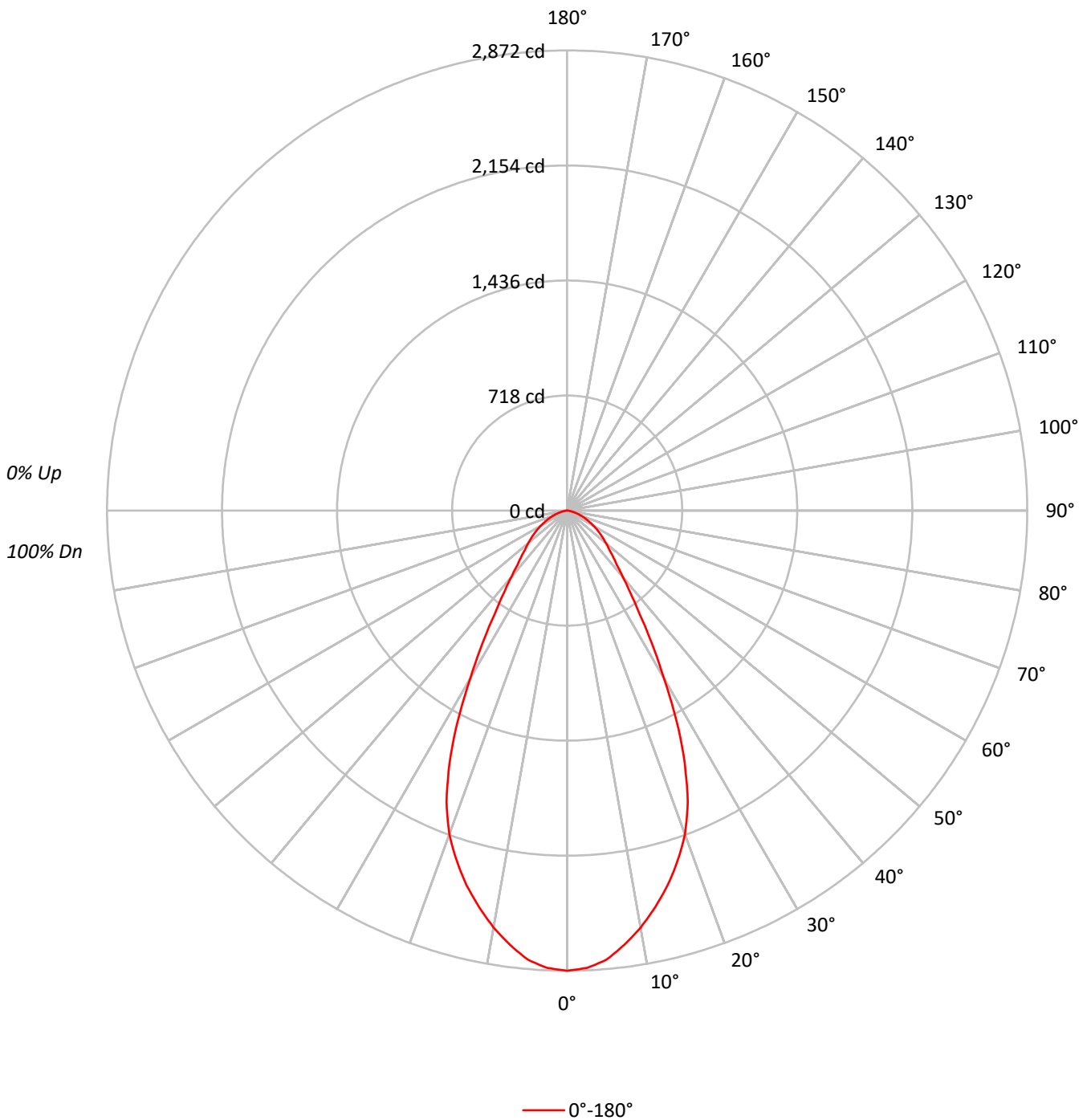
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	205662
5°	202264
10°	192170
15°	179567
20°	163854
25°	137182
30°	99859
35°	69089
40°	50530
45°	40707
50°	35256
55°	31184
60°	27194
65°	23194
70°	18988
75°	14192
80°	9896
85°	8462



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.9	8.8
10°-20°	676.6	22.7
20°-30°	781.0	26.3
30°-40°	509.3	17.1
40°-50°	316.1	10.6
50°-60°	224.6	7.5
60°-70°	136.5	4.6
70°-80°	56.5	1.9
80°-90°	11.6	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°	1720.4	57.8
0°-40°	2229.7	74.9
0°-60°	2770.4	93.1
0°-90°	2975.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2975.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2872	
5°	2814	263
15°	2422	677
25°	1736	781
35°	790	509
45°	402	316
55°	250	225
65°	137	137
75°	51	57
85°	10	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2872.3
2.5°	2856.9
5°	2814.1
7.5°	2733.7
10°	2643.1
12.5°	2535.3
15°	2422.4
17.5°	2292.4
20°	2150.4
22.5°	1967.3
25°	1736.4
27.5°	1478.1
30°	1207.8
32.5°	982.0
35°	790.4
37.5°	648.4
40°	540.6
42.5°	460.2
45°	402.0
47.5°	354.1
50°	316.5
52.5°	282.3
55°	249.8
57.5°	220.7
60°	189.9
62.5°	162.5
65°	136.9
67.5°	112.9
70°	90.7
72.5°	70.1
75°	51.3
77.5°	35.9
80°	24.0
82.5°	15.4
85°	10.3
87.5°	5.1
90°	0.0

(END OF REPORT)