

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: P365621

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365621
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-MW-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2796.0 lumens
Efficiency: N/A
Efficacy: 50.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

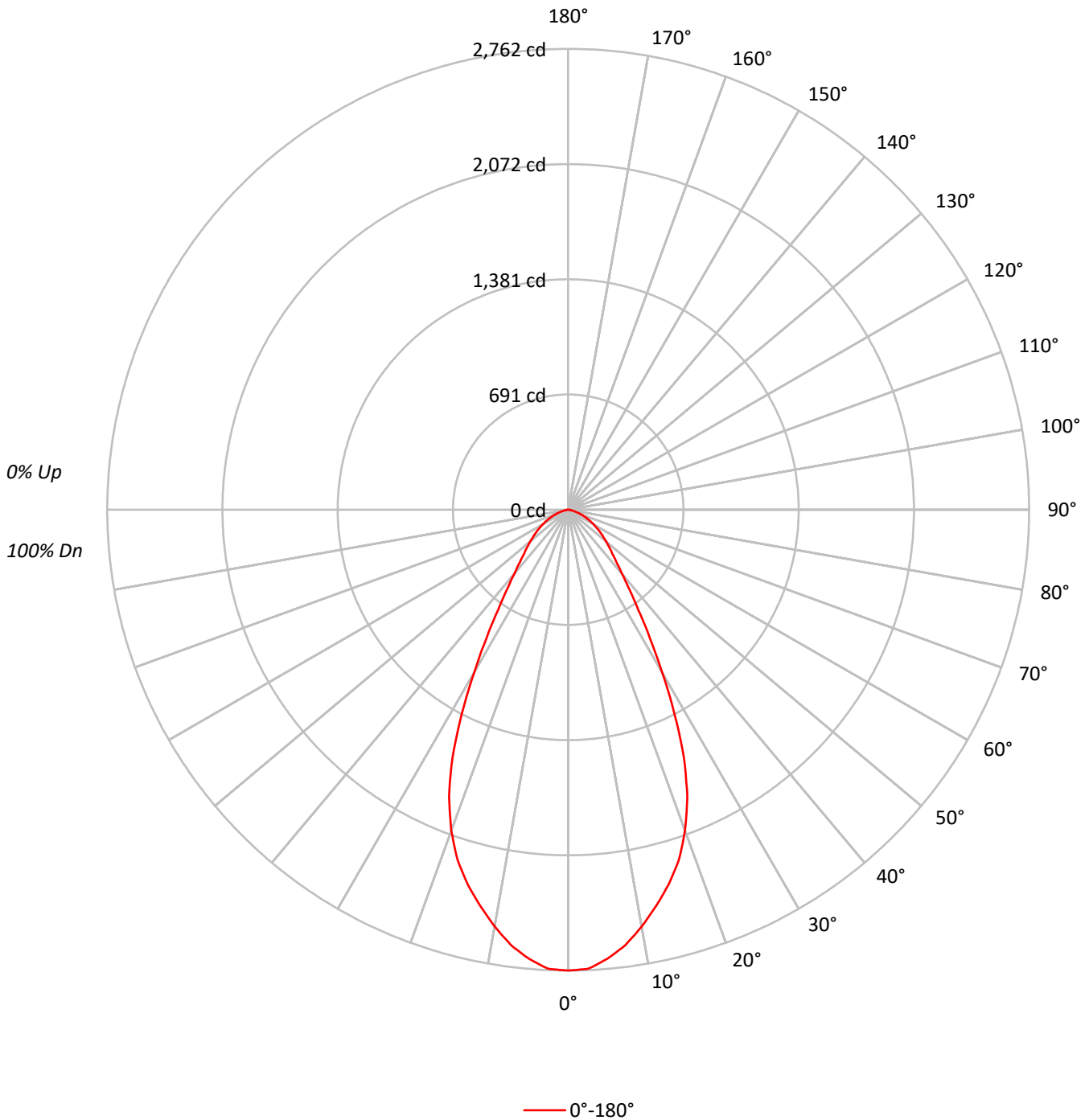
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91					91			
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82					82			
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74					74			
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	68					68			
5	87	78	71	66	86	77	70	65	75	69	65	73	68	64	71	67	64	62					62			
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57					57			
7	78	67	60	56	76	66	60	55	65	59	55	64	59	55	63	58	54	53					53			
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49					49			
9	70	59	52	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46					46			
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43					43			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	197771
5°	194178
10°	184405
15°	172362
20°	155975
25°	129535
30°	92947
35°	63792
40°	46959
45°	37942
50°	32995
55°	29011
60°	25075
65°	21347
70°	16790
75°	11758
80°	7422
85°	8051



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.7	9.0
10°-20°	648.8	23.2
20°-30°	735.9	26.3
30°-40°	471.7	16.9
40°-50°	295.7	10.6
50°-60°	208.5	7.5
60°-70°	125.3	4.5
70°-80°	47.8	1.7
80°-90°	9.6	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°	1637.4	58.6
0°-40°	2109.1	75.4
0°-60°	2613.4	93.5
0°-90°	2796.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2796.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2762	
5°	2702	253
15°	2325	649
25°	1640	736
35°	730	472
45°	375	296
55°	232	209
65°	126	125
75°	42	48
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2762.1
2.5°	2753.9
5°	2701.6
7.5°	2631.2
10°	2536.3
12.5°	2433.2
15°	2325.2
17.5°	2202.5
20°	2047.0
22.5°	1865.4
25°	1639.6
27.5°	1379.4
30°	1124.2
32.5°	908.2
35°	729.8
37.5°	600.5
40°	502.4
42.5°	430.4
45°	374.7
47.5°	333.8
50°	296.2
52.5°	263.4
55°	232.4
57.5°	202.9
60°	175.1
62.5°	150.5
65°	126.0
67.5°	103.1
70°	80.2
72.5°	60.5
75°	42.5
77.5°	29.5
80°	18.0
82.5°	11.5
85°	9.8
87.5°	4.9
90°	0.0

(END OF REPORT)