

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: P366394

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-WMH-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-WMH-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3896.9 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

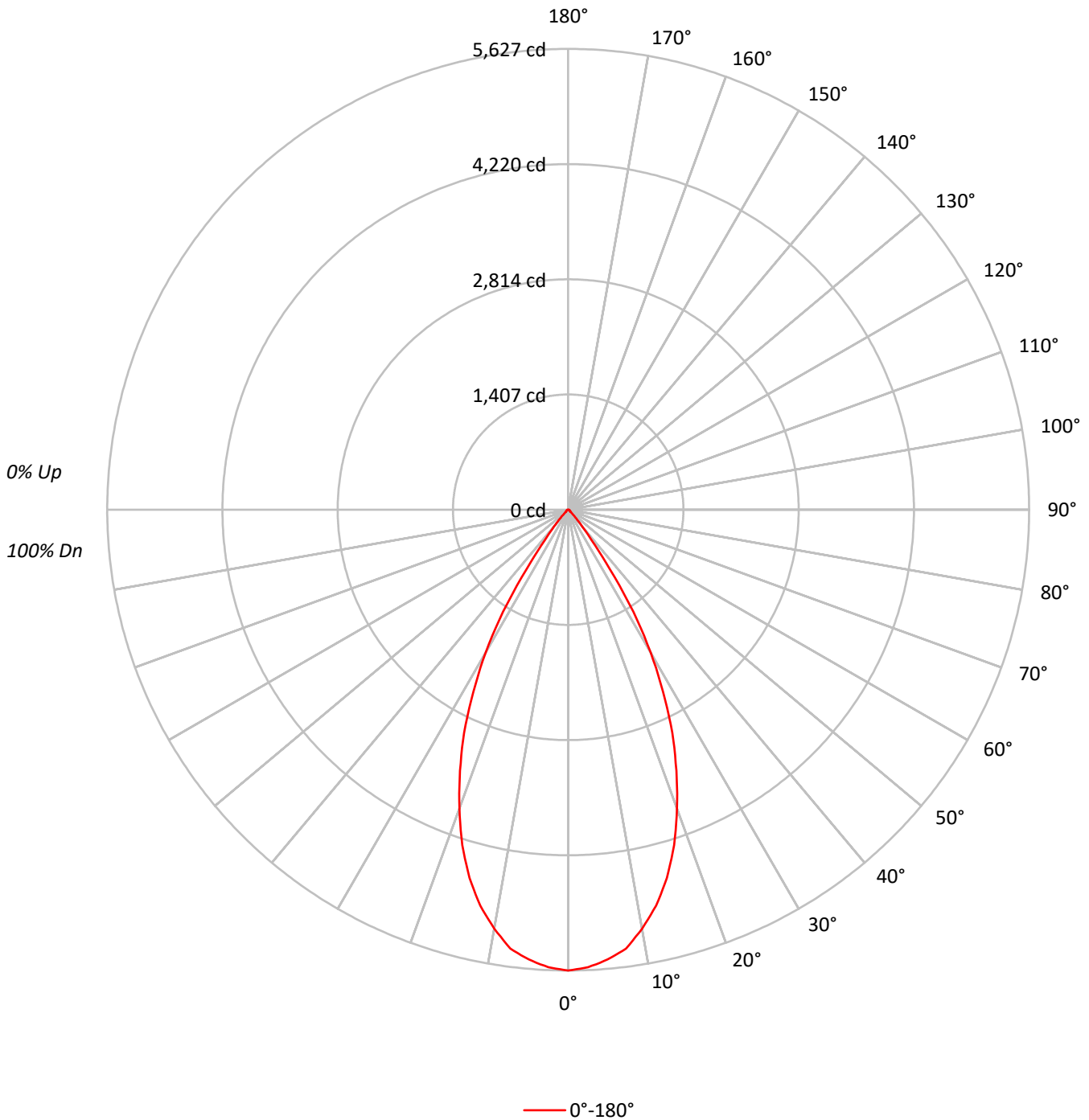
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	402911
5°	396278
10°	377586
15°	345027
20°	295881
25°	237415
30°	166457
35°	76903
40°	24685
45°	7969
50°	3698
55°	3271
60°	3251
65°	2965
70°	2931
75°	3375
80°	4330
85°	7147



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.1	13.3
10°-20°	1288.0	33.1
20°-30°	1352.7	34.7
30°-40°	600.2	15.4
40°-50°	77.5	2.0
50°-60°	24.2	0.6
60°-70°	17.1	0.4
70°-80°	12.5	0.3
80°-90°	7.6	0.2
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°	3157.8	81.0
0°-40°	3758.0	96.4
0°-60°	3859.8	99.0
0°-90°	3896.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3896.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5627	
5°	5513	517
15°	4654	1288
25°	3005	1353
35°	880	600
45°	79	78
55°	26	24
65°	18	17
75°	12	12
85°	9	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5627.1
2.5°	5592.1
5°	5513.4
7.5°	5406.7
10°	5193.3
12.5°	4953.6
15°	4654.5
17.5°	4295.9
20°	3883.1
22.5°	3449.4
25°	3005.1
27.5°	2506.6
30°	2013.3
32.5°	1479.8
35°	879.8
37.5°	468.8
40°	264.1
42.5°	145.2
45°	78.7
47.5°	40.2
50°	33.2
52.5°	29.7
55°	26.2
57.5°	24.5
60°	22.7
62.5°	19.2
65°	17.5
67.5°	14.0
70°	14.0
72.5°	12.2
75°	12.2
77.5°	10.5
80°	10.5
82.5°	8.7
85°	8.7
87.5°	5.2
90°	0.0

(END OF REPORT)