

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: P364968

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-LI-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4182.0 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

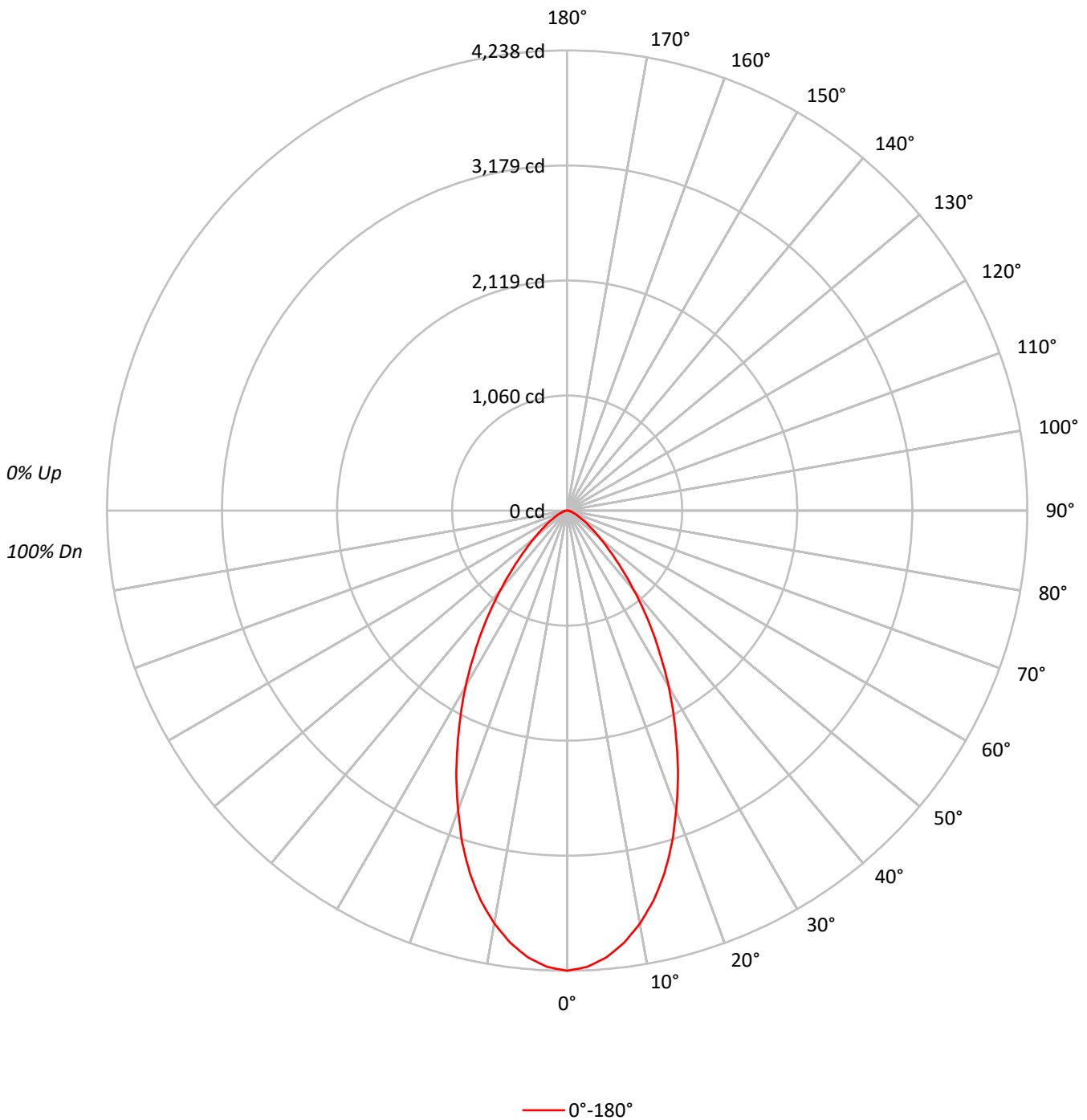
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		89	87	85	83
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83	80	78	76
4	94	85	79	74	92	84	78	74	82	77	73		80	75	72		78	74	71	69
5	88	79	72	67	87	78	72	67	76	71	67		74	70	66		73	69	65	64
6	83	73	67	62	82	73	66	62	71	65	61		69	65	61		68	64	60	59
7	79	68	62	57	77	68	61	57	66	61	57		65	60	56		64	59	56	54
8	75	64	57	53	73	63	57	53	62	57	52		61	56	52		60	55	52	50
9	71	60	54	49	69	60	53	49	59	53	49		58	52	49		57	52	49	47
10	67	57	50	46	66	56	50	46	55	50	46		54	49	46		54	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	303441
5°	296946
10°	280683
15°	256326
20°	223578
25°	188732
30°	154667
35°	120905
40°	89114
45°	62711
50°	44245
55°	31333
60°	22240
65°	16519
70°	12854
75°	10485
80°	9690
85°	10351



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.7	9.2
10°-20°	960.5	23.0
20°-30°	1094.2	26.2
30°-40°	863.7	20.7
40°-50°	490.9	11.7
50°-60°	231.6	5.5
60°-70°	100.2	2.4
70°-80°	41.7	1.0
80°-90°	13.5	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°	2440.5	58.4
0°-40°	3304.1	79.0
0°-60°	4026.6	96.3
0°-90°	4182.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4182.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4238	
5°	4131	386
15°	3458	960
25°	2389	1094
35°	1383	864
45°	619	491
55°	251	232
65°	98	100
75°	38	42
85°	13	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4237.9
2.5°	4207.2
5°	4131.4
7.5°	4014.0
10°	3860.5
12.5°	3676.4
15°	3457.9
17.5°	3210.5
20°	2934.2
22.5°	2667.0
25°	2388.9
27.5°	2123.5
30°	1870.7
32.5°	1614.3
35°	1383.2
37.5°	1161.1
40°	953.4
42.5°	776.4
45°	619.3
47.5°	494.8
50°	397.2
52.5°	316.0
55°	251.0
57.5°	198.6
60°	155.3
62.5°	122.8
65°	97.5
67.5°	77.6
70°	61.4
72.5°	48.8
75°	37.9
77.5°	28.9
80°	23.5
82.5°	18.1
85°	12.6
87.5°	7.2
90°	0.0

(END OF REPORT)