

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: P366362

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-WMH-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366362
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)
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-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3976.1 lumens
Efficiency: N/A
Efficacy: 72.2 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

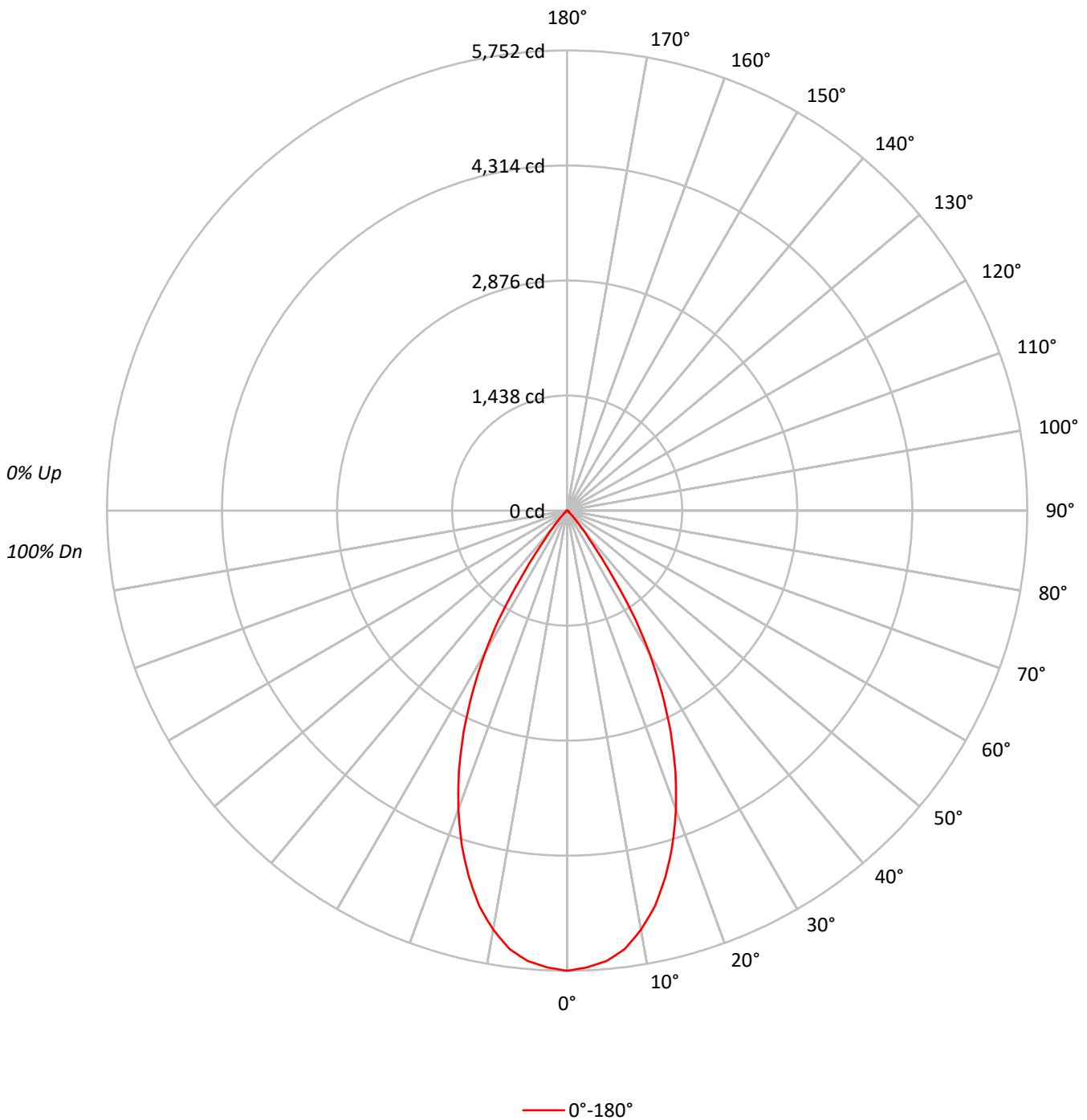
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	85	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		74	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	65	61	78	70	64	61	69	64	61		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°	411847
5°	406290
10°	386740
15°	351573
20°	302746
25°	242005
30°	169690
35°	78940
40°	24938
45°	7797
50°	3431
55°	3208
60°	2936
65°	2609
70°	2868
75°	3320
80°	4247
85°	7065



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	529.1	13.3
10°-20°	1315.1	33.1
20°-30°	1382.6	34.8
30°-40°	613.4	15.4
40°-50°	76.7	1.9
50°-60°	22.9	0.6
60°-70°	16.1	0.4
70°-80°	12.7	0.3
80°-90°	7.5	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°	3226.8	81.2
0°-40°	3840.1	96.6
0°-60°	3939.8	99.1
0°-90°	3976.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3976.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5752	
5°	5653	529
15°	4743	1315
25°	3063	1383
35°	903	613
45°	77	77
55°	26	23
65°	15	16
75°	12	13
85°	9	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5751.9
2.5°	5714.3
5°	5652.7
7.5°	5526.2
10°	5319.2
12.5°	5066.1
15°	4742.8
17.5°	4378.5
20°	3973.2
22.5°	3533.6
25°	3063.2
27.5°	2563.8
30°	2052.4
32.5°	1510.2
35°	903.1
37.5°	480.6
40°	266.8
42.5°	145.4
45°	77.0
47.5°	37.6
50°	30.8
52.5°	27.4
55°	25.7
57.5°	23.9
60°	20.5
62.5°	18.8
65°	15.4
67.5°	13.7
70°	13.7
72.5°	12.0
75°	12.0
77.5°	12.0
80°	10.3
82.5°	8.6
85°	8.6
87.5°	5.1
90°	0.0

(END OF REPORT)