

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: P364956

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-LI-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364956
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)
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-LI-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3905.0 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

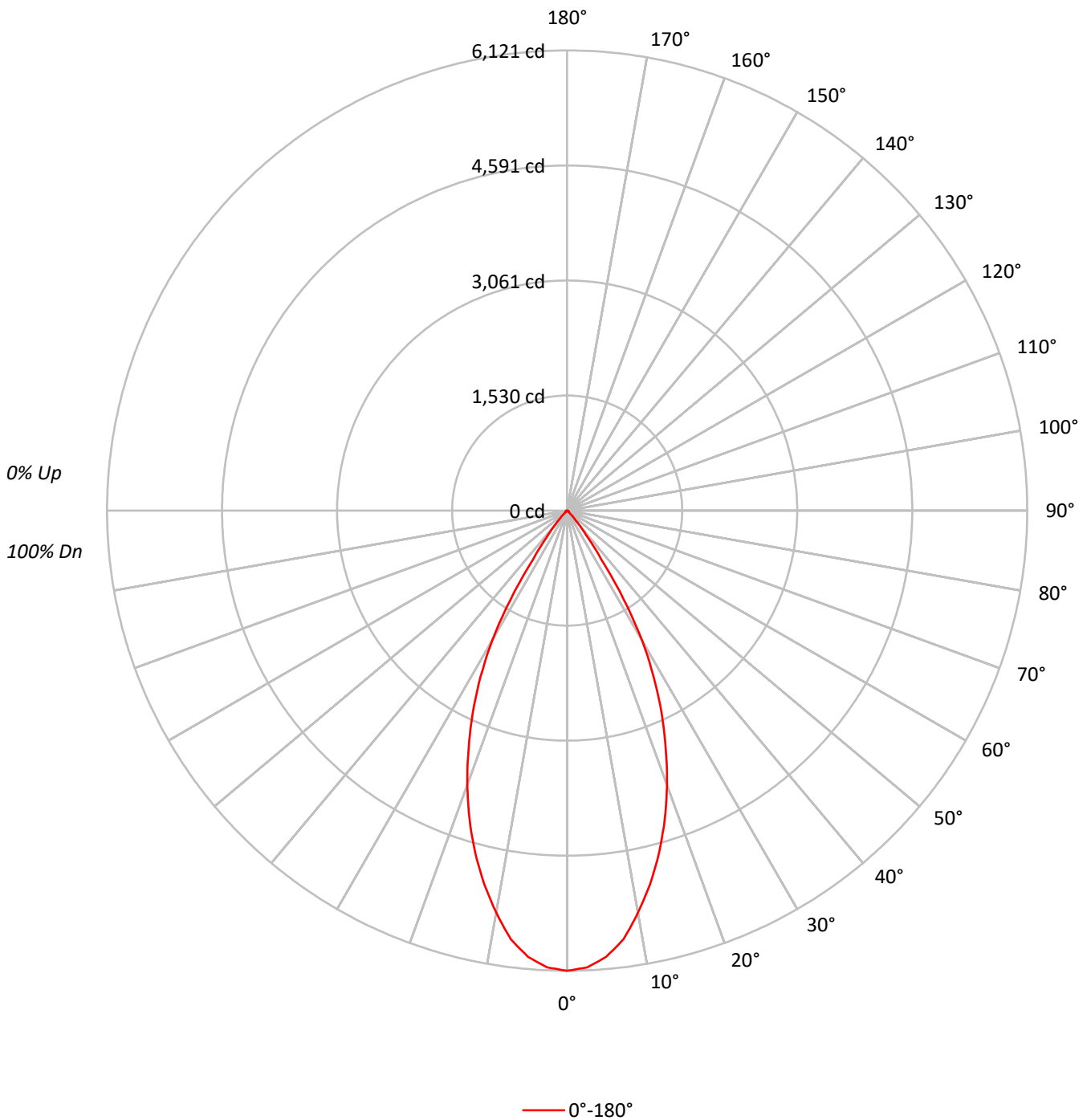
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	102	99	96	99	96	94		96	94	92		94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87		92	89	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77		83	79	76		81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72		79	75	72		78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68		75	71	68		74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65		72	67	64		71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61		68	64	61		68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	438289
5°	428298
10°	394847
15°	349720
20°	296079
25°	234570
30°	164845
35°	68652
40°	23554
45°	6288
50°	3464
55°	3233
60°	2964
65°	2931
70°	2889
75°	3347
80°	4288
85°	7065



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	552.2	14.1
10°-20°	1308.8	33.5
20°-30°	1343.6	34.4
30°-40°	568.9	14.6
40°-50°	70.0	1.8
50°-60°	23.2	0.6
60°-70°	17.1	0.4
70°-80°	13.2	0.3
80°-90°	8.0	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°	3204.6	82.1
0°-40°	3773.6	96.6
0°-60°	3866.7	99.0
0°-90°	3905.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3905.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6121	
5°	5959	552
15°	4718	1309
25°	2969	1344
35°	785	569
45°	62	70
55°	26	23
65°	17	17
75°	12	13
85°	9	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6121.2
2.5°	6081.5
5°	5958.9
7.5°	5748.3
10°	5430.7
12.5°	5092.3
15°	4717.8
17.5°	4315.5
20°	3885.7
22.5°	3428.3
25°	2969.1
27.5°	2494.4
30°	1993.8
32.5°	1405.1
35°	785.4
37.5°	450.5
40°	252.0
42.5°	132.9
45°	62.1
47.5°	36.3
50°	31.1
52.5°	27.6
55°	25.9
57.5°	24.2
60°	20.7
62.5°	19.0
65°	17.3
67.5°	15.5
70°	13.8
72.5°	13.8
75°	12.1
77.5°	12.1
80°	10.4
82.5°	10.4
85°	8.6
87.5°	5.2
90°	0.0

(END OF REPORT)