

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: P364920

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-LI-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364920
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-FEU6B35-8030-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: 3787.9 lumens
Efficiency: N/A
Efficacy: 68.7 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

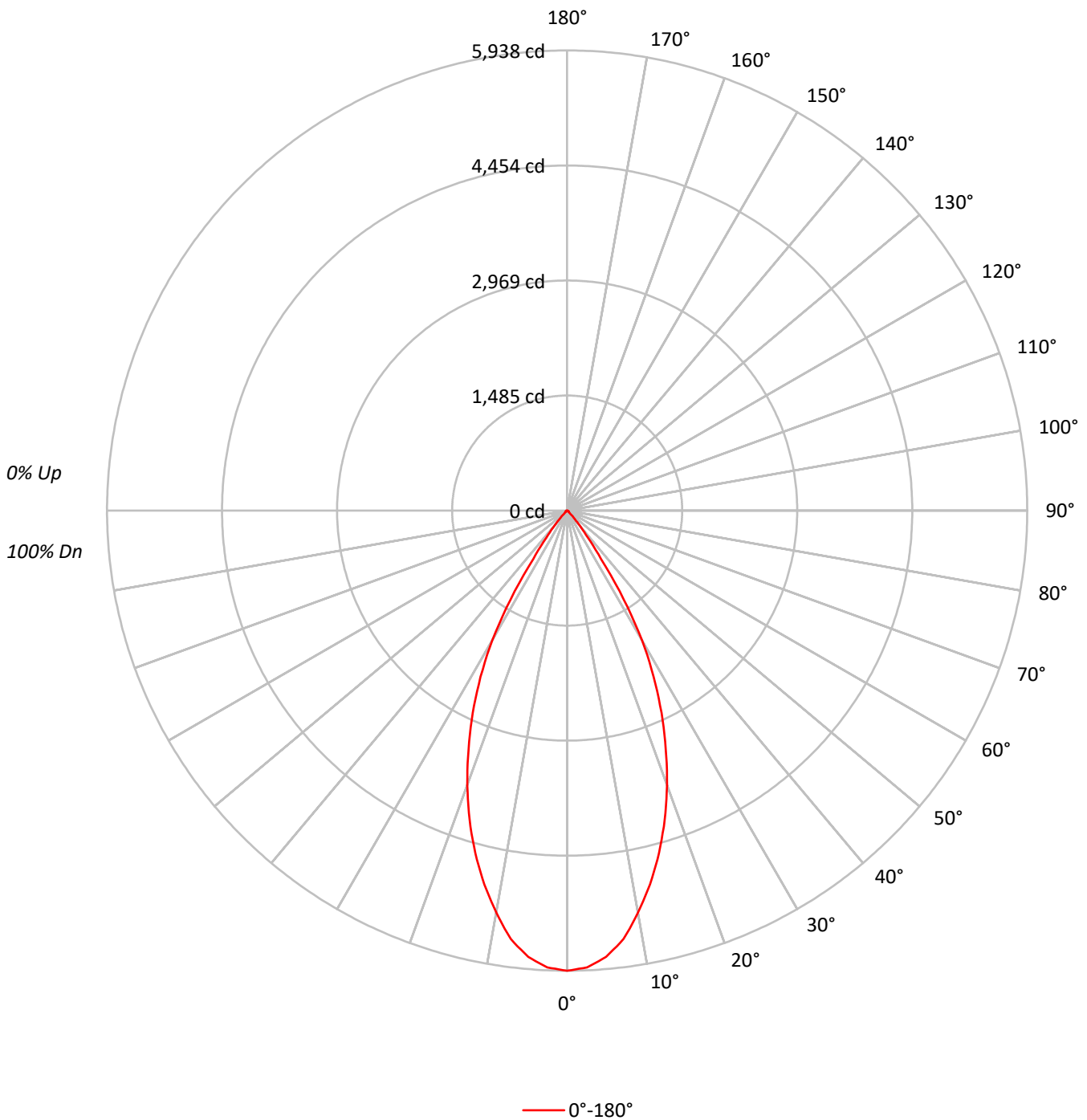
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	425157
5°	415468
10°	383017
15°	339238
20°	287210
25°	227539
30°	159901
35°	66597
40°	22853
45°	6106
50°	3353
55°	3133
60°	2878
65°	2829
70°	2805
75°	3237
80°	4123
85°	6901



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	535.7	14.1
10°-20°	1269.6	33.5
20°-30°	1303.4	34.4
30°-40°	551.9	14.6
40°-50°	67.9	1.8
50°-60°	22.4	0.6
60°-70°	16.6	0.4
70°-80°	12.8	0.3
80°-90°	7.7	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°	3108.6	82.1
0°-40°	3660.5	96.6
0°-60°	3750.8	99.0
0°-90°	3787.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3787.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5938	
5°	5780	536
15°	4576	1270
25°	2880	1303
35°	762	552
45°	60	68
55°	25	22
65°	17	17
75°	12	13
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5937.8
2.5°	5899.3
5°	5780.4
7.5°	5576.1
10°	5268.0
12.5°	4939.8
15°	4576.4
17.5°	4186.2
20°	3769.3
22.5°	3325.6
25°	2880.1
27.5°	2419.7
30°	1934.0
32.5°	1363.0
35°	761.9
37.5°	437.0
40°	244.5
42.5°	128.9
45°	60.3
47.5°	35.2
50°	30.1
52.5°	26.8
55°	25.1
57.5°	23.4
60°	20.1
62.5°	18.4
65°	16.7
67.5°	15.1
70°	13.4
72.5°	13.4
75°	11.7
77.5°	11.7
80°	10.0
82.5°	10.0
85°	8.4
87.5°	5.0
90°	0.0

(END OF REPORT)