

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: P364973

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-LI-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364973
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-FEU6B35-8050-F6LBXVM1-LI-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3928.0 lumens
Efficiency: N/A
Efficacy: 71.3 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

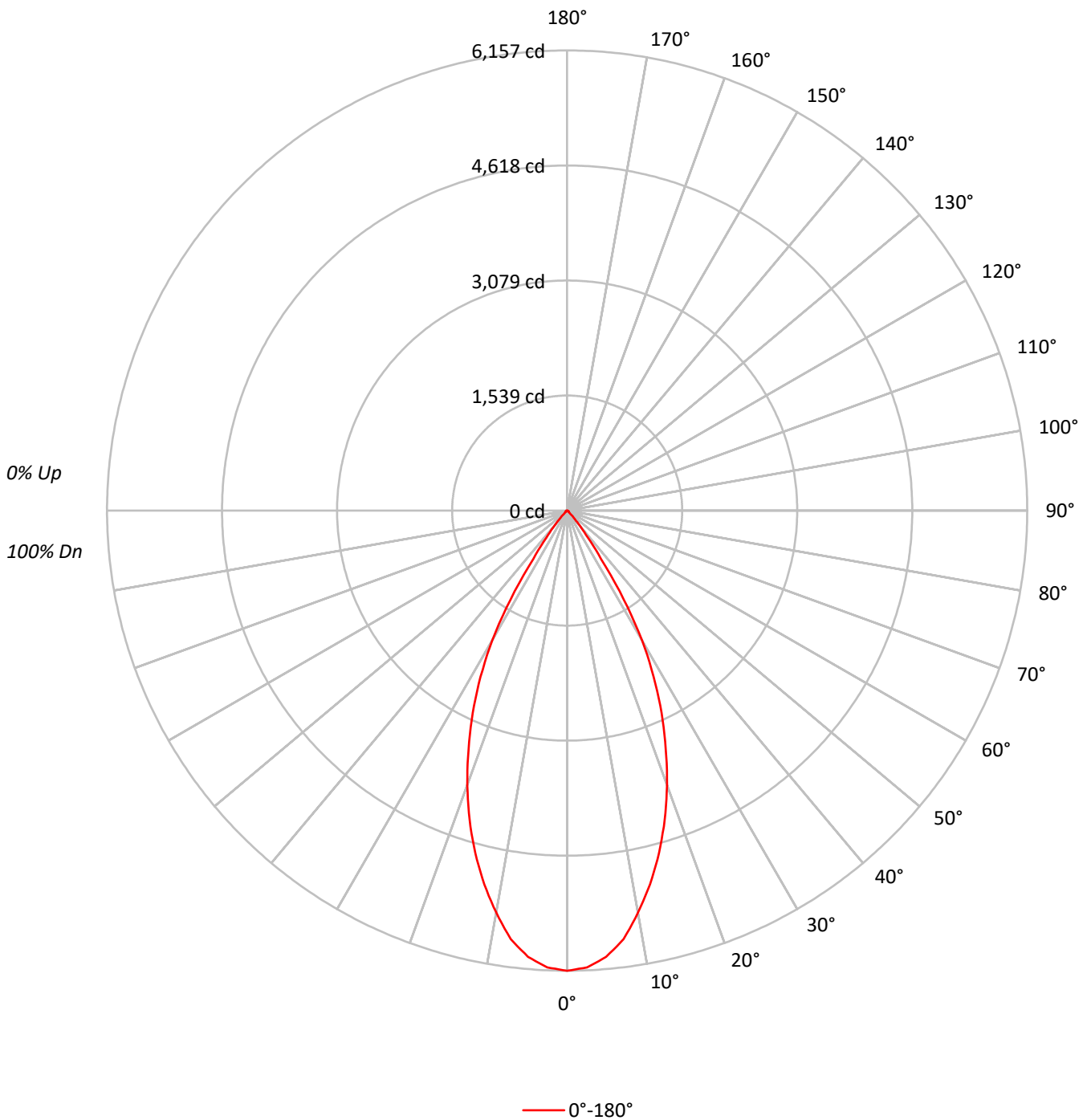
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	440867
5°	430821
10°	397173
15°	351773
20°	297824
25°	235953
30°	165812
35°	69062
40°	23695
45°	6329
50°	3487
55°	3246
60°	2979
65°	2948
70°	2910
75°	3375
80°	4288
85°	7147



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	555.5	14.1
10°-20°	1316.5	33.5
20°-30°	1351.5	34.4
30°-40°	572.3	14.6
40°-50°	70.4	1.8
50°-60°	23.3	0.6
60°-70°	17.2	0.4
70°-80°	13.3	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°	3223.5	82.1
0°-40°	3795.8	96.6
0°-60°	3889.5	99.0
0°-90°	3928.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3928.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6157	
5°	5994	555
15°	4746	1317
25°	2987	1352
35°	790	572
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°	6157.2
2.5°	6117.3
5°	5994.0
7.5°	5782.2
10°	5462.7
12.5°	5122.3
15°	4745.5
17.5°	4341.0
20°	3908.6
22.5°	3448.5
25°	2986.6
27.5°	2509.1
30°	2005.5
32.5°	1413.4
35°	790.1
37.5°	453.2
40°	253.5
42.5°	133.7
45°	62.5
47.5°	36.5
50°	31.3
52.5°	27.8
55°	26.0
57.5°	24.3
60°	20.8
62.5°	19.1
65°	17.4
67.5°	15.6
70°	13.9
72.5°	13.9
75°	12.2
77.5°	12.2
80°	10.4
82.5°	10.4
85°	8.7
87.5°	5.2
90°	0.0

(END OF REPORT)