

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: P364918

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-LI-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364918
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-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3840.1 lumens
Efficiency: N/A
Efficacy: 69.7 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

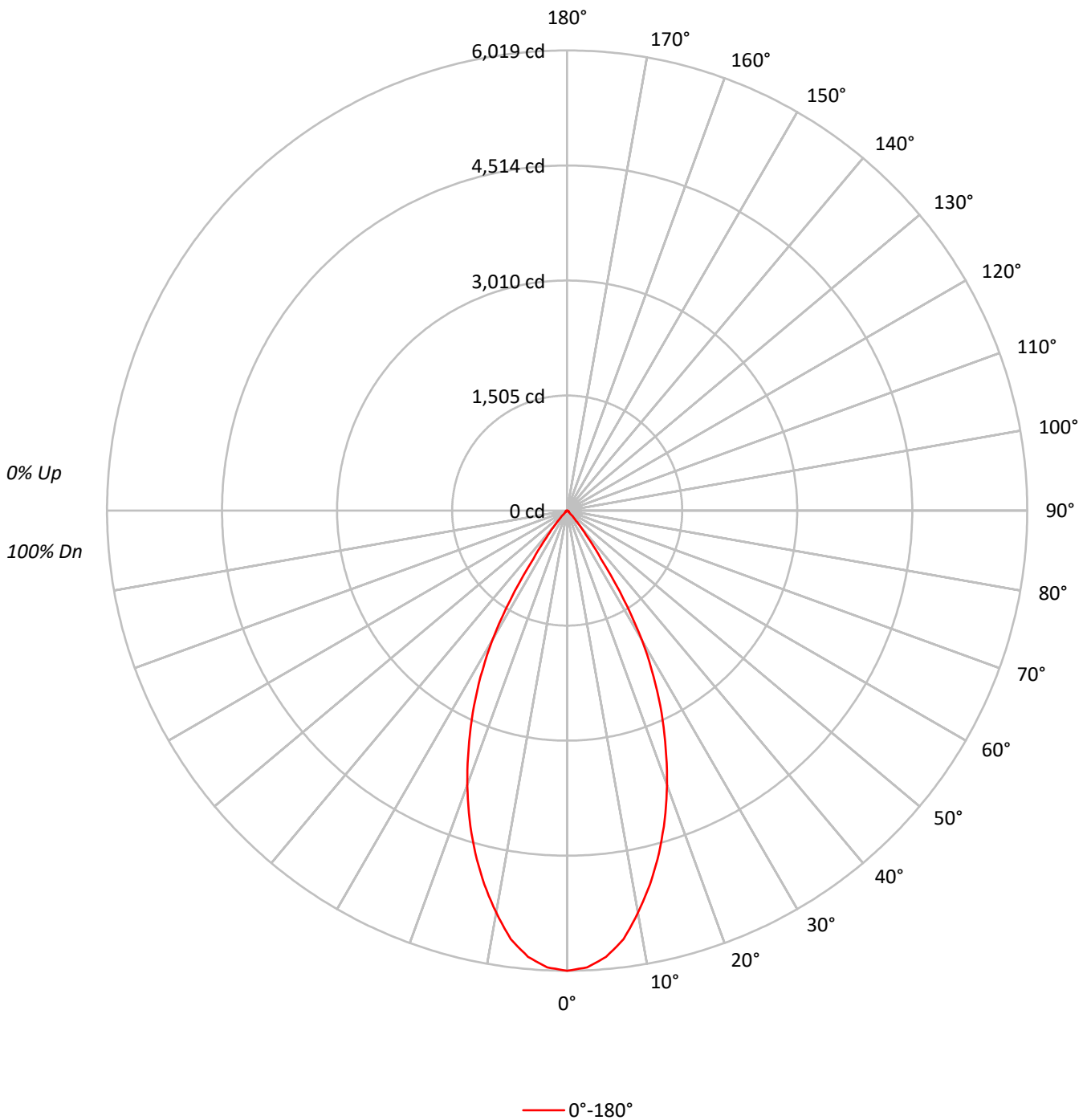
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	430993
5°	421168
10°	388274
15°	343893
20°	291149
25°	230668
30°	162100
35°	67515
40°	23162
45°	6187
50°	3409
55°	3183
60°	2921
65°	2880
70°	2847
75°	3292
80°	4206
85°	6983



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.0	14.1
10°-20°	1287.0	33.5
20°-30°	1321.3	34.4
30°-40°	559.5	14.6
40°-50°	68.8	1.8
50°-60°	22.8	0.6
60°-70°	16.8	0.4
70°-80°	13.0	0.3
80°-90°	7.9	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°	3151.3	82.1
0°-40°	3710.8	96.6
0°-60°	3802.4	99.0
0°-90°	3840.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3840.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6019	
5°	5860	543
15°	4639	1287
25°	2920	1321
35°	772	559
45°	61	69
55°	26	23
65°	17	17
75°	12	13
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6019.3
2.5°	5980.2
5°	5859.7
7.5°	5652.6
10°	5340.3
12.5°	5007.6
15°	4639.2
17.5°	4243.7
20°	3821.0
22.5°	3371.2
25°	2919.7
27.5°	2452.9
30°	1960.6
32.5°	1381.8
35°	772.4
37.5°	443.0
40°	247.8
42.5°	130.7
45°	61.1
47.5°	35.6
50°	30.6
52.5°	27.2
55°	25.5
57.5°	23.8
60°	20.4
62.5°	18.7
65°	17.0
67.5°	15.3
70°	13.6
72.5°	13.6
75°	11.9
77.5°	11.9
80°	10.2
82.5°	10.2
85°	8.5
87.5°	5.1
90°	0.0

(END OF REPORT)