

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: P365062

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-LI-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365062
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: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-LI-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4736.0 lumens
Efficiency: N/A
Efficacy: 81.5 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

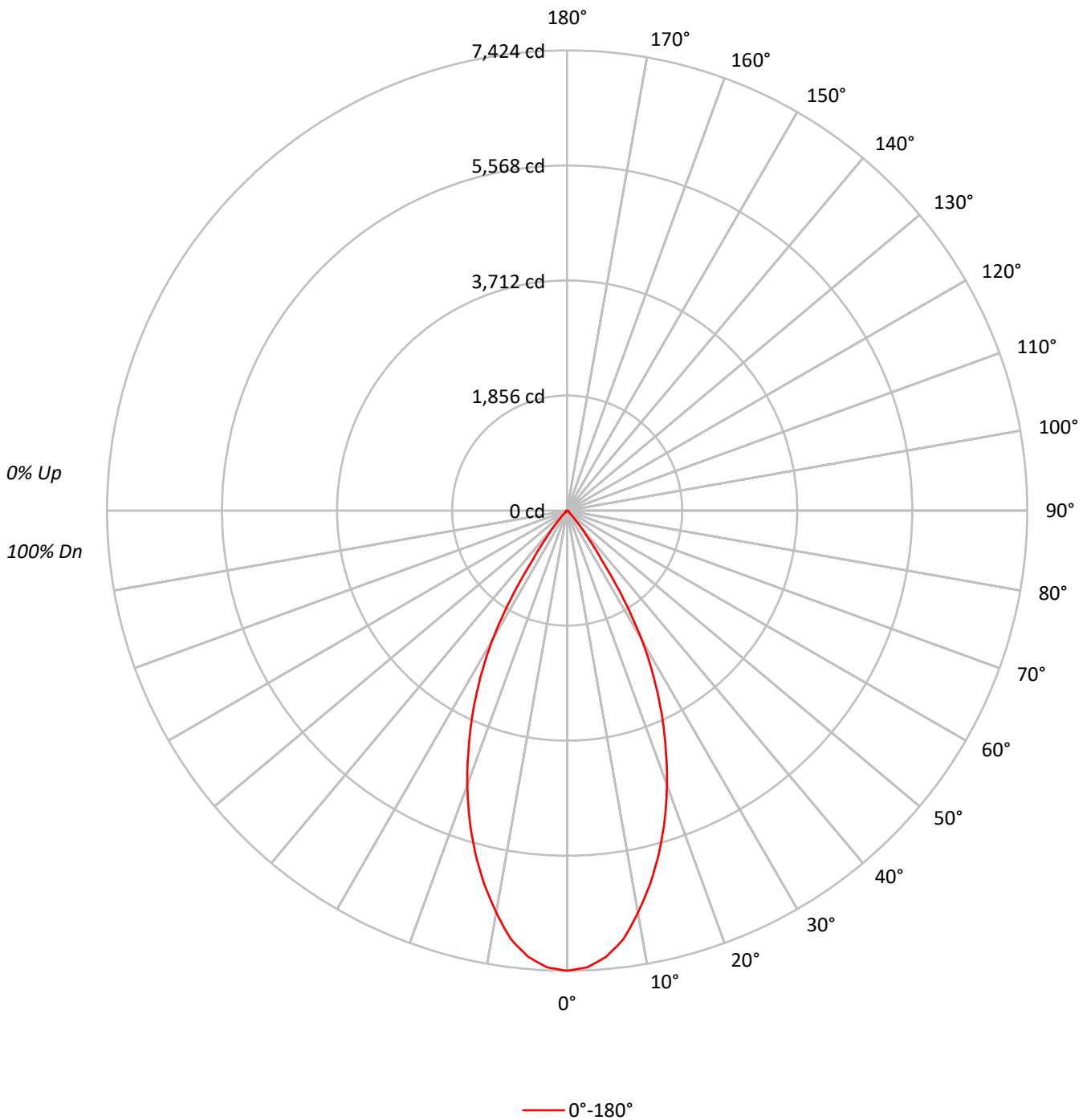
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	531558
5°	519443
10°	478874
15°	424136
20°	359086
25°	284485
30°	199925
35°	83267
40°	28574
45°	7635
50°	4200
55°	3920
60°	3594
65°	3541
70°	3496
75°	4067
80°	5195
85°	8626



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	669.7	14.1
10°-20°	1587.3	33.5
20°-30°	1629.5	34.4
30°-40°	690.0	14.6
40°-50°	84.9	1.8
50°-60°	28.1	0.6
60°-70°	20.7	0.4
70°-80°	16.1	0.3
80°-90°	9.7	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°	3886.6	82.1
0°-40°	4576.6	96.6
0°-60°	4689.6	99.0
0°-90°	4736.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4736.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7424	
5°	7227	670
15°	5722	1587
25°	3601	1630
35°	953	690
45°	75	85
55°	31	28
65°	21	21
75°	15	16
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7423.8
2.5°	7375.6
5°	7227.0
7.5°	6971.6
10°	6586.4
12.5°	6176.0
15°	5721.7
17.5°	5233.9
20°	4712.6
22.5°	4157.8
25°	3600.9
27.5°	3025.2
30°	2418.1
32.5°	1704.2
35°	952.6
37.5°	546.4
40°	305.7
42.5°	161.2
45°	75.4
47.5°	44.0
50°	37.7
52.5°	33.5
55°	31.4
57.5°	29.3
60°	25.1
62.5°	23.0
65°	20.9
67.5°	18.8
70°	16.7
72.5°	16.7
75°	14.7
77.5°	14.7
80°	12.6
82.5°	12.6
85°	10.5
87.5°	6.3
90°	0.0

(END OF REPORT)