

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: P365030

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-LI-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365030
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-LI-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4831.0 lumens
Efficiency: N/A
Efficacy: 83.1 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

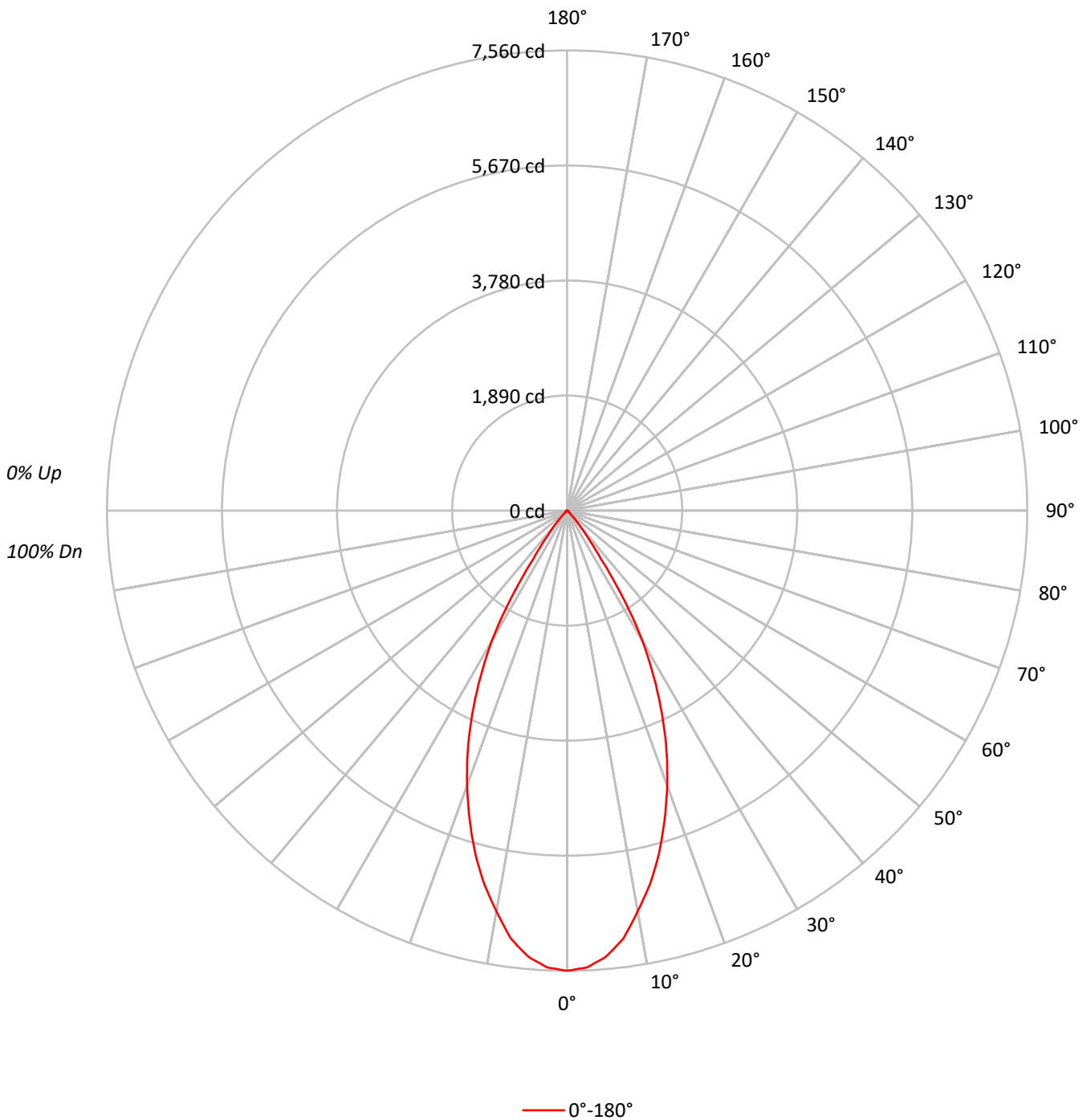
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	79
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°	541317
5°	528744
10°	485977
15°	432505
20°	366340
25°	291319
30°	204820
35°	85478
40°	29518
45°	7635
50°	3854
55°	3558
60°	3494
65°	3456
70°	3412
75°	4509
80°	5031
85°	8380



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	681.0	14.1
10°-20°	1616.2	33.5
20°-30°	1667.7	34.5
30°-40°	709.4	14.7
40°-50°	85.1	1.8
50°-60°	25.7	0.5
60°-70°	20.2	0.4
70°-80°	16.2	0.3
80°-90°	9.4	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°	3965.0	82.1
0°-40°	4674.4	96.8
0°-60°	4785.3	99.1
0°-90°	4831.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4831.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7560	
5°	7356	681
15°	5835	1616
25°	3687	1668
35°	978	709
45°	75	85
55°	28	26
65°	20	20
75°	16	16
85°	10	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7560.1
2.5°	7511.2
5°	7356.4
7.5°	7087.5
10°	6684.1
12.5°	6286.9
15°	5834.6
17.5°	5325.3
20°	4807.8
22.5°	4268.0
25°	3687.4
27.5°	3088.4
30°	2477.3
32.5°	1756.1
35°	977.9
37.5°	562.3
40°	315.8
42.5°	163.0
45°	75.4
47.5°	40.7
50°	34.6
52.5°	30.6
55°	28.5
57.5°	26.5
60°	24.4
62.5°	22.4
65°	20.4
67.5°	18.3
70°	16.3
72.5°	16.3
75°	16.3
77.5°	14.3
80°	12.2
82.5°	12.2
85°	10.2
87.5°	6.1
90°	0.0

(END OF REPORT)