

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: P365031

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-LI-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365031
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-27)
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-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4709.0 lumens
Efficiency: N/A
Efficacy: 81.1 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

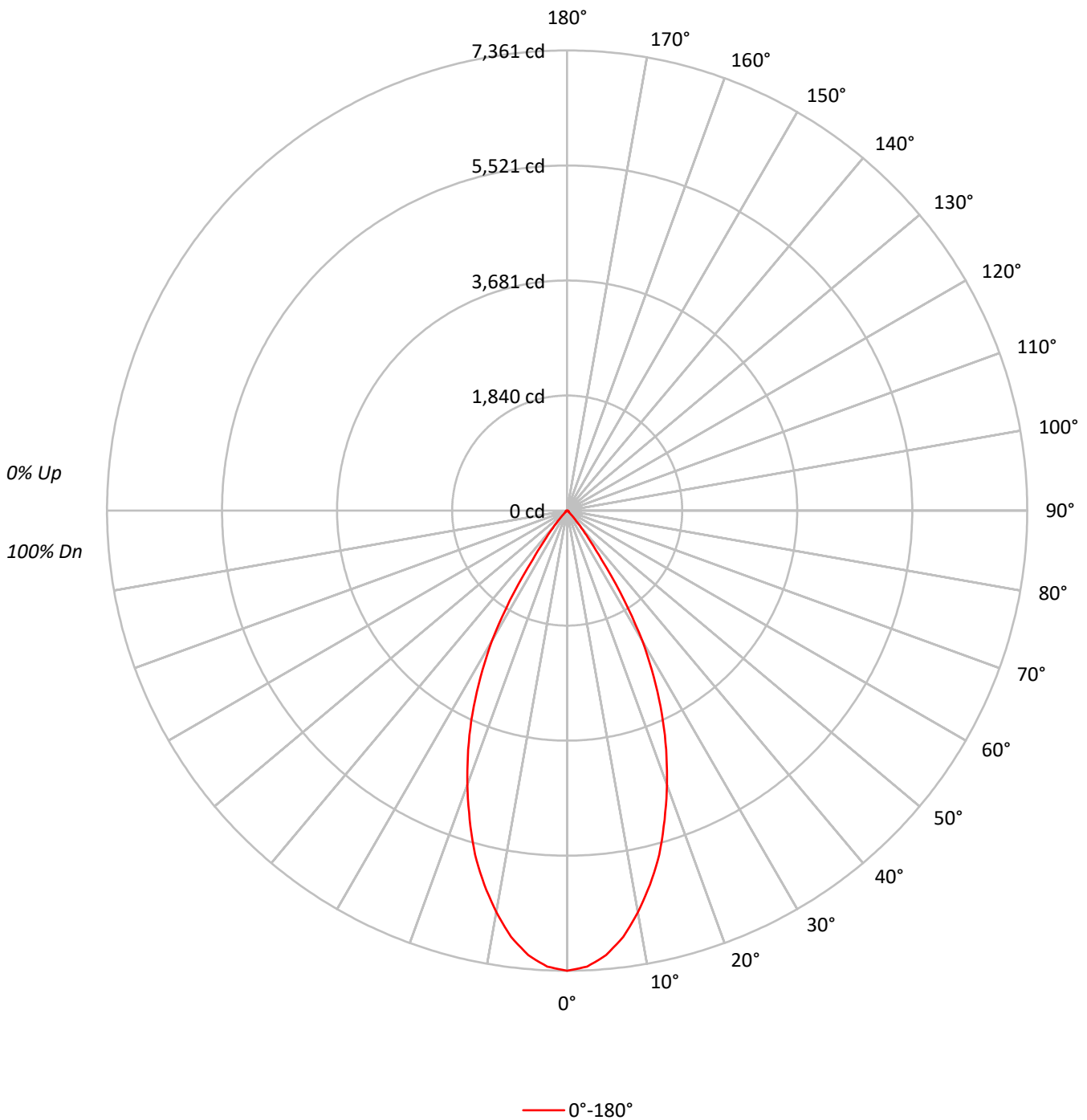
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	88
3	104	98	93	90	102	96	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		77	74	71	70
7	87	78	73	69	85	77	72	68	76	72	68		75	71	68		74	70	67	66
8	83	74	69	65	82	74	68	65	73	68	64		72	67	64		71	67	64	63
9	79	71	65	61	78	70	65	61	69	64	61		68	64	61		67	64	61	59
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°	527083
5°	513133
10°	474315
15°	422246
20°	355612
25°	283379
30°	198495
35°	84079
40°	29340
45°	8050
50°	4088
55°	3820
60°	3795
65°	3456
70°	3412
75°	4509
80°	5896
85°	8380



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	661.9	14.1
10°-20°	1574.8	33.4
20°-30°	1619.9	34.4
30°-40°	691.9	14.7
40°-50°	86.4	1.8
50°-60°	27.6	0.6
60°-70°	20.4	0.4
70°-80°	16.4	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°	3856.6	81.9
0°-40°	4548.5	96.6
0°-60°	4662.4	99.0
0°-90°	4709.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4709.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7361	
5°	7139	662
15°	5696	1575
25°	3587	1620
35°	962	692
45°	80	86
55°	31	28
65°	20	20
75°	16	16
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7361.3
2.5°	7302.2
5°	7139.2
7.5°	6878.3
10°	6523.7
12.5°	6128.3
15°	5696.2
17.5°	5182.7
20°	4667.0
22.5°	4137.2
25°	3586.9
27.5°	3006.1
30°	2400.8
32.5°	1705.8
35°	961.9
37.5°	550.3
40°	313.9
42.5°	163.0
45°	79.5
47.5°	42.8
50°	36.7
52.5°	32.6
55°	30.6
57.5°	28.5
60°	26.5
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°	14.3
82.5°	12.2
85°	10.2
87.5°	6.1
90°	0.0

(END OF REPORT)