

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: P365046

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365046
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-FEU6B67-8040-F6LBXVM1-LI-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4561.0 lumens
Efficiency: N/A
Efficacy: 78.5 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

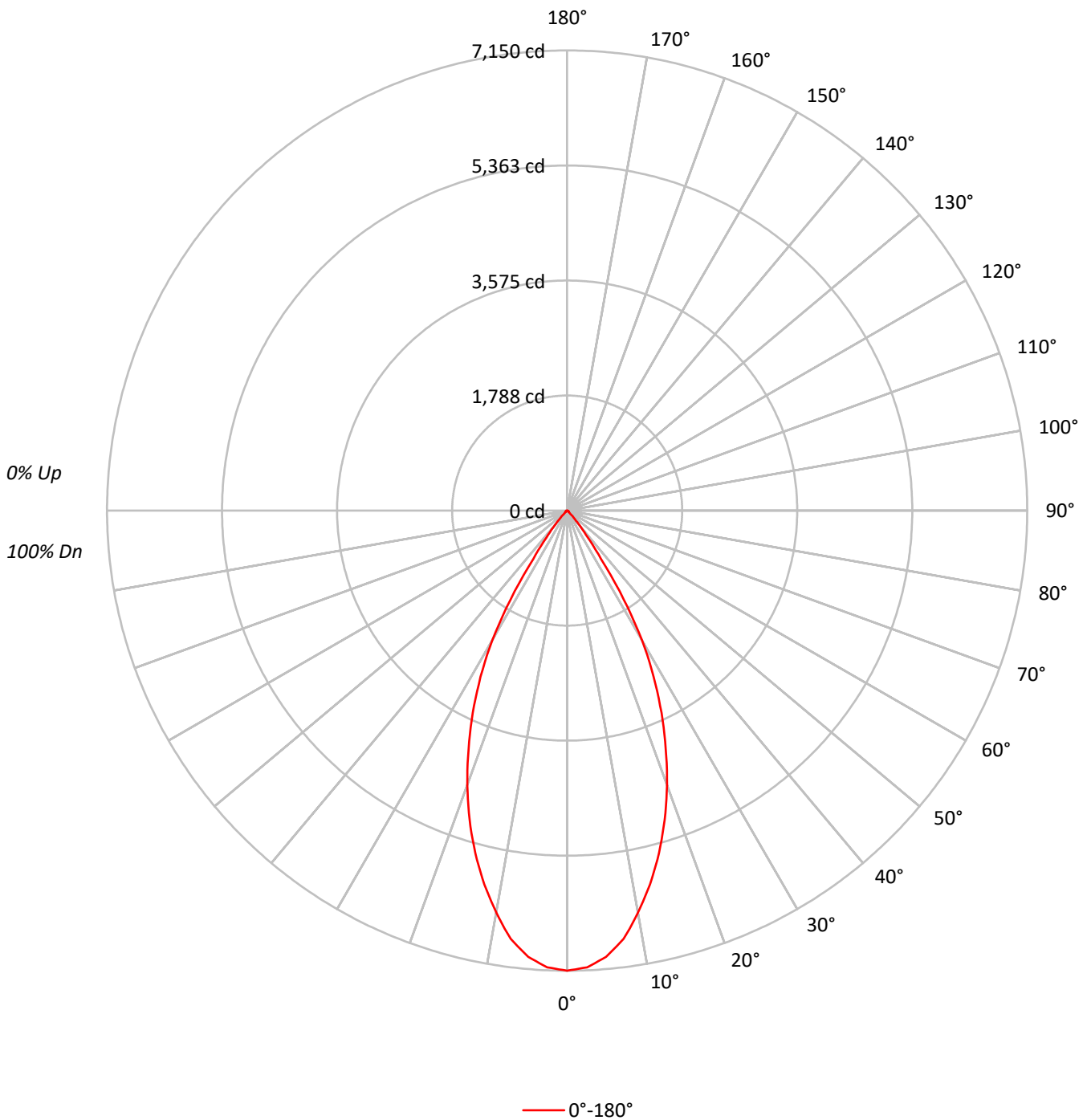
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	511917
5°	500245
10°	461177
15°	408466
20°	345821
25°	273978
30°	192534
35°	80190
40°	27517
45°	7351
50°	4044
55°	3770
60°	3466
65°	3422
70°	3371
75°	3901
80°	4989
85°	8298



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	645.0	14.1
10°-20°	1528.7	33.5
20°-30°	1569.3	34.4
30°-40°	664.5	14.6
40°-50°	81.7	1.8
50°-60°	27.0	0.6
60°-70°	20.0	0.4
70°-80°	15.4	0.3
80°-90°	9.3	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°	3743.0	82.1
0°-40°	4407.5	96.6
0°-60°	4516.2	99.0
0°-90°	4561.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4561.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7150	
5°	6960	645
15°	5510	1529
25°	3468	1569
35°	917	665
45°	73	82
55°	30	27
65°	20	20
75°	14	15
85°	10	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7149.5
2.5°	7103.1
5°	6959.9
7.5°	6714.0
10°	6343.0
12.5°	5947.8
15°	5510.3
17.5°	5040.5
20°	4538.5
22.5°	4004.2
25°	3467.9
27.5°	2913.4
30°	2328.7
32.5°	1641.2
35°	917.4
37.5°	526.2
40°	294.4
42.5°	155.2
45°	72.6
47.5°	42.3
50°	36.3
52.5°	32.3
55°	30.2
57.5°	28.2
60°	24.2
62.5°	22.2
65°	20.2
67.5°	18.1
70°	16.1
72.5°	16.1
75°	14.1
77.5°	14.1
80°	12.1
82.5°	12.1
85°	10.1
87.5°	6.0
90°	0.0

(END OF REPORT)