

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: P364990

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-LI-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364990
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-FEU6B67-8027-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: 4291.1 lumens
Efficiency: N/A
Efficacy: 73.9 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

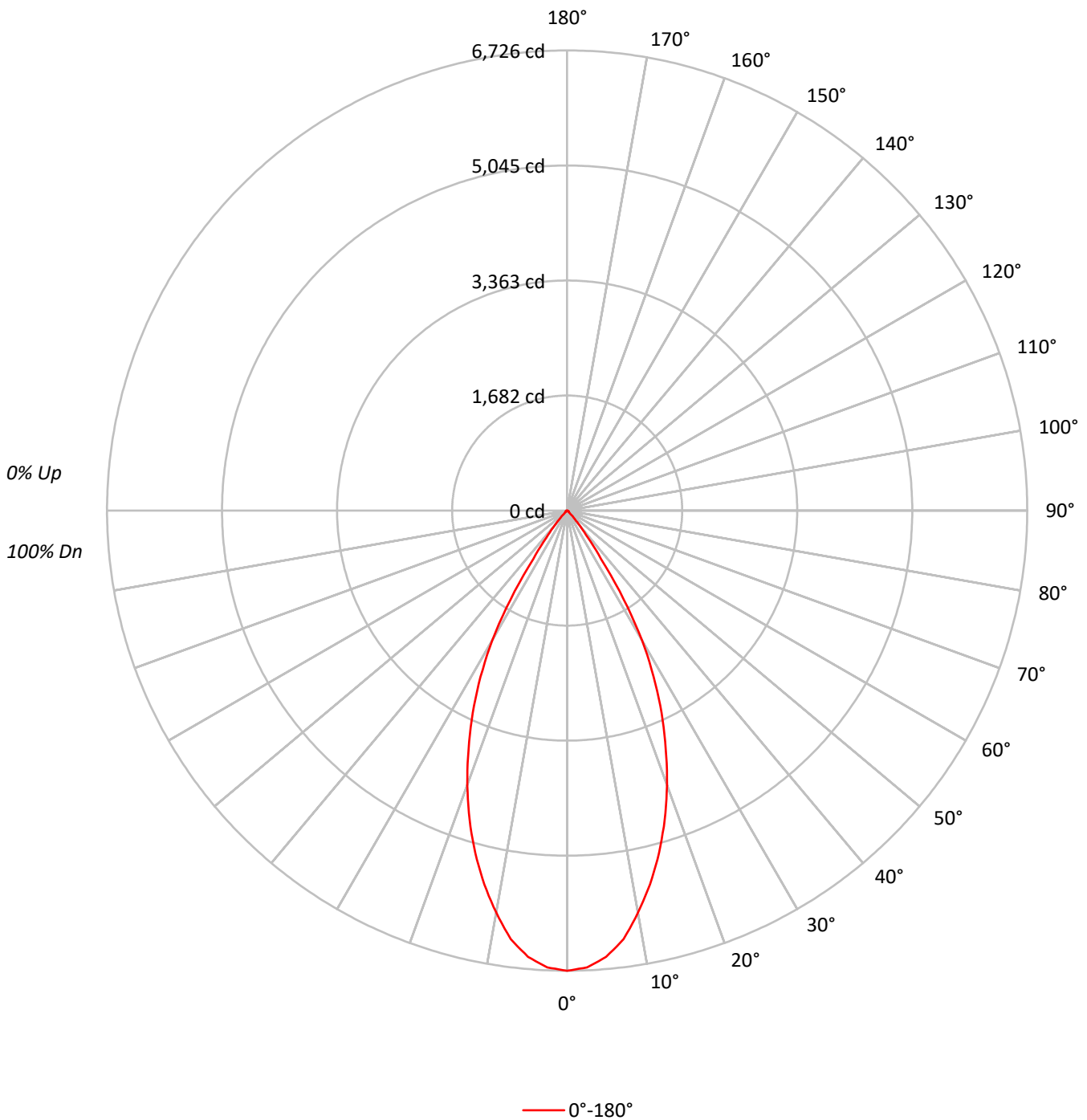
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	481608
5°	470633
10°	433876
15°	384285
20°	325346
25°	257758
30°	181141
35°	75443
40°	25882
45°	6916
50°	3798
55°	3558
60°	3265
65°	3219
70°	3182
75°	3679
80°	4701
85°	7805



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	606.8	14.1
10°-20°	1438.2	33.5
20°-30°	1476.4	34.4
30°-40°	625.2	14.6
40°-50°	76.9	1.8
50°-60°	25.5	0.6
60°-70°	18.8	0.4
70°-80°	14.6	0.3
80°-90°	8.8	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°	3521.4	82.1
0°-40°	4146.6	96.6
0°-60°	4248.9	99.0
0°-90°	4291.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4291.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6726	
5°	6548	607
15°	5184	1438
25°	3263	1476
35°	863	625
45°	68	77
55°	28	25
65°	19	19
75°	13	15
85°	10	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6726.2
2.5°	6682.6
5°	6547.9
7.5°	6316.5
10°	5967.5
12.5°	5595.7
15°	5184.1
17.5°	4742.1
20°	4269.8
22.5°	3767.1
25°	3262.6
27.5°	2741.0
30°	2190.9
32.5°	1544.0
35°	863.1
37.5°	495.1
40°	276.9
42.5°	146.1
45°	68.3
47.5°	39.8
50°	34.1
52.5°	30.3
55°	28.5
57.5°	26.6
60°	22.8
62.5°	20.9
65°	19.0
67.5°	17.1
70°	15.2
72.5°	15.2
75°	13.3
77.5°	13.3
80°	11.4
82.5°	11.4
85°	9.5
87.5°	5.7
90°	0.0

(END OF REPORT)