

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: P365060

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-LI-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365060
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-26)
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-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4606.0 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

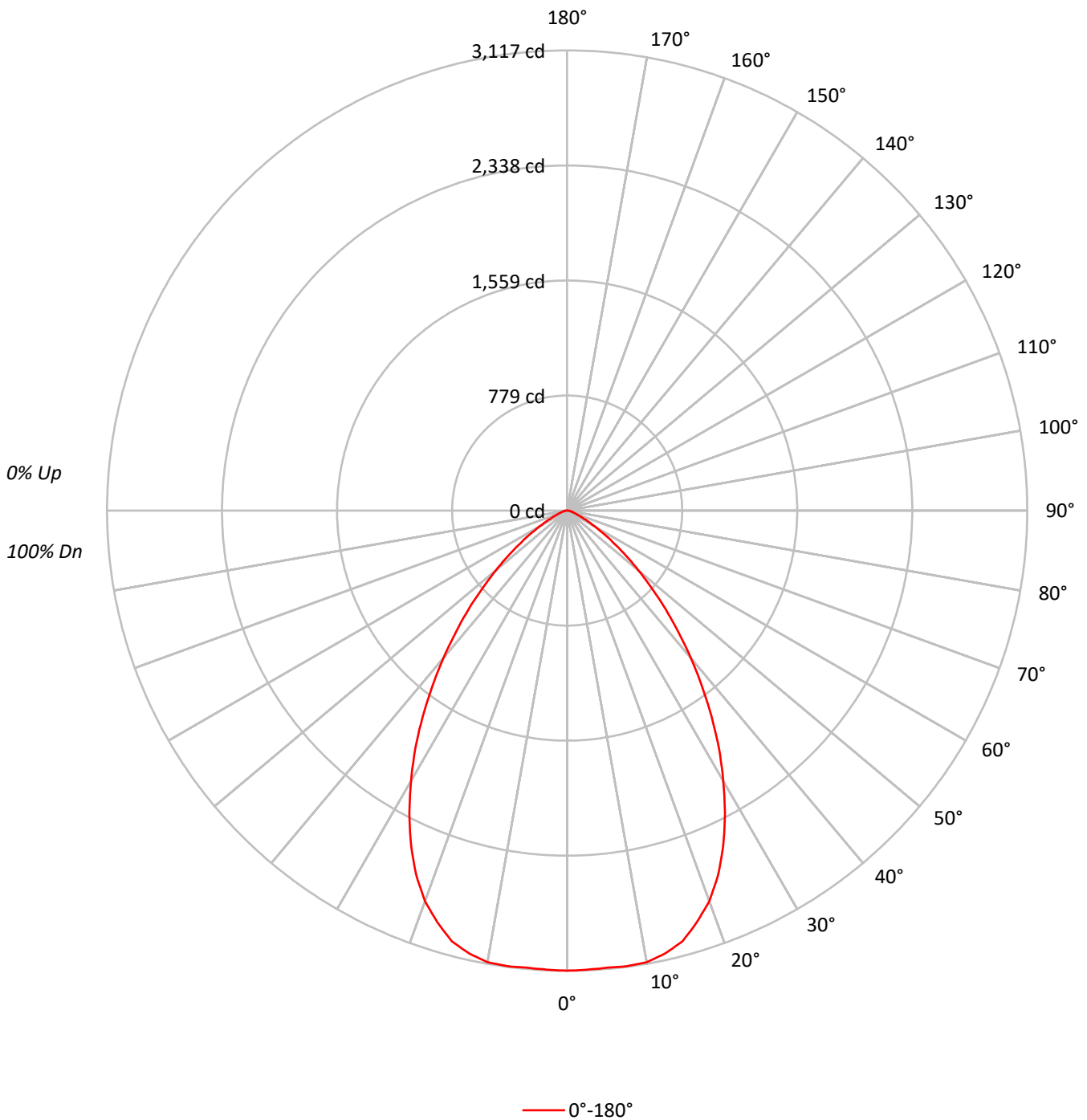
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	79	86	81	77		84	80	76		81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		69	65	61	60
6	81	70	63	57	79	69	62	57	67	61	57		66	60	56		64	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52		61	56	52		60	55	51	50
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	43	42
10	63	52	45	41	62	52	45	41	51	45	41		50	44	40		49	44	40	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	223154
5°	223403
10°	225833
15°	223836
20°	214502
25°	197581
30°	174865
35°	149112
40°	121810
45°	95235
50°	70233
55°	48698
60°	31104
65°	18942
70°	12812
75°	9904
80°	8700
85°	12159



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.9	6.4
10°-20°	844.4	18.3
20°-30°	1142.2	24.8
30°-40°	1062.5	23.1
40°-50°	728.0	15.8
50°-60°	358.7	7.8
60°-70°	119.9	2.6
70°-80°	39.7	0.9
80°-90°	13.8	0.3
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°	2283.4	49.6
0°-40°	3345.9	72.6
0°-60°	4432.6	96.2
0°-90°	4606.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4606.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3117	
5°	3108	297
15°	3020	844
25°	2501	1142
35°	1706	1062
45°	940	728
55°	390	359
65°	112	120
75°	36	40
85°	15	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3116.6
2.5°	3112.4
5°	3108.2
7.5°	3112.4
10°	3106.1
12.5°	3072.3
15°	3019.6
17.5°	2922.6
20°	2815.1
22.5°	2671.7
25°	2500.9
27.5°	2315.3
30°	2115.0
32.5°	1914.7
35°	1705.9
37.5°	1499.3
40°	1303.2
42.5°	1113.4
45°	940.5
47.5°	776.0
50°	630.5
52.5°	504.0
55°	390.1
57.5°	297.3
60°	217.2
62.5°	156.0
65°	111.8
67.5°	80.1
70°	61.2
72.5°	46.4
75°	35.8
77.5°	27.4
80°	21.1
82.5°	16.9
85°	14.8
87.5°	8.4
90°	0.0

(END OF REPORT)