

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: P365058

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365058
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-23)
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-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4885.0 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

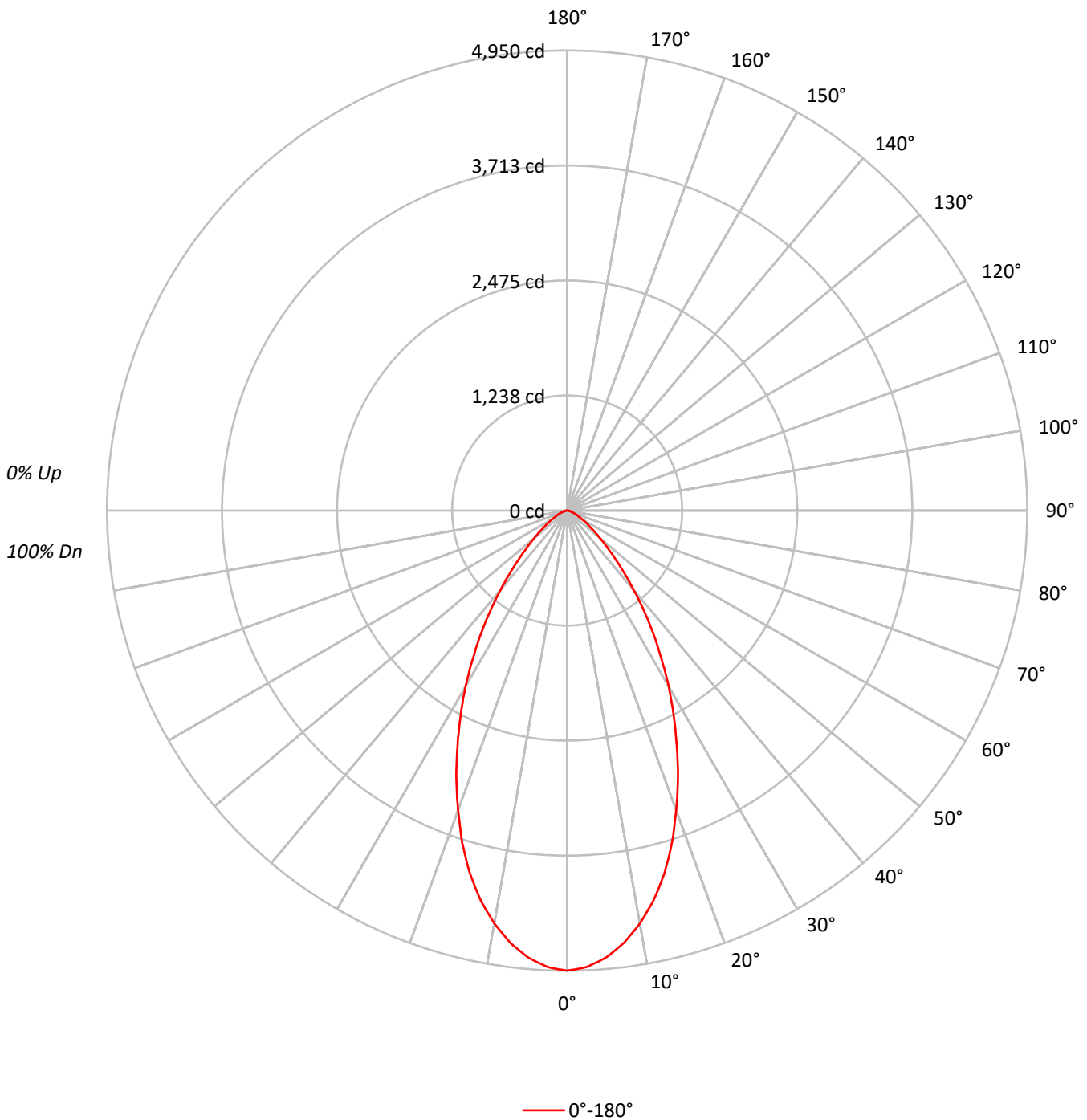
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		89	87	85	83
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83	80	78	76
4	94	85	79	74	92	84	78	74	82	77	73		80	75	72		78	74	71	69
5	88	79	72	67	87	78	72	67	76	71	67		74	70	66		73	69	65	64
6	83	73	67	62	82	73	66	62	71	65	61		69	65	61		68	64	60	59
7	79	68	62	57	77	68	61	57	66	61	57		65	60	56		64	59	56	54
8	75	64	57	53	73	63	57	53	62	57	52		61	56	52		60	55	52	50
9	71	60	54	49	69	60	53	49	59	53	49		58	52	49		57	52	49	47
10	67	57	50	46	66	56	50	46	55	50	46		54	49	46		54	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	354451
5°	346863
10°	327870
15°	299417
20°	261166
25°	220460
30°	180669
35°	141228
40°	104097
45°	73262
50°	51686
55°	36601
60°	25977
65°	19297
70°	15010
75°	12256
80°	11298
85°	12159



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	450.6	9.2
10°-20°	1121.9	23.0
20°-30°	1278.2	26.2
30°-40°	1008.9	20.7
40°-50°	573.4	11.7
50°-60°	270.6	5.5
60°-70°	117.1	2.4
70°-80°	48.6	1.0
80°-90°	15.8	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°	2850.7	58.4
0°-40°	3859.6	79.0
0°-60°	4703.5	96.3
0°-90°	4885.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4885.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4950	
5°	4826	451
15°	4039	1122
25°	2790	1278
35°	1616	1009
45°	724	573
55°	293	271
65°	114	117
75°	44	49
85°	15	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4950.3
2.5°	4914.5
5°	4825.9
7.5°	4688.8
10°	4509.5
12.5°	4294.4
15°	4039.2
17.5°	3750.2
20°	3427.5
22.5°	3115.3
25°	2790.5
27.5°	2480.4
30°	2185.2
32.5°	1885.6
35°	1615.7
37.5°	1356.2
40°	1113.7
42.5°	907.0
45°	723.5
47.5°	577.9
50°	464.0
52.5°	369.1
55°	293.2
57.5°	232.0
60°	181.4
62.5°	143.4
65°	113.9
67.5°	90.7
70°	71.7
72.5°	56.9
75°	44.3
77.5°	33.7
80°	27.4
82.5°	21.1
85°	14.8
87.5°	8.4
90°	0.0

(END OF REPORT)