

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: P365778

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)
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-MW-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3657.0 lumens
Efficiency: N/A
Efficacy: 62.9 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

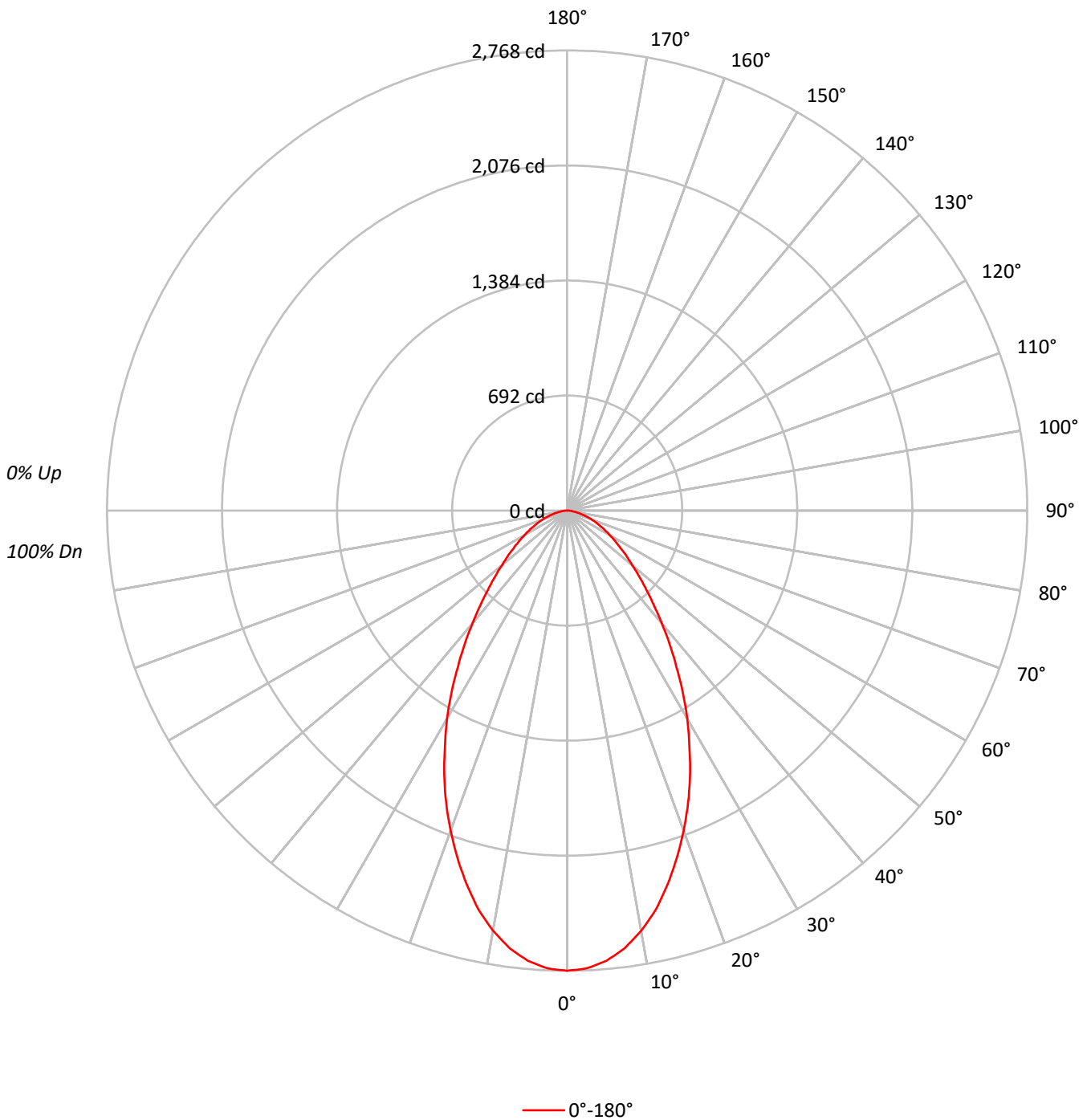
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84		89	85	82		86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74		81	76	73		78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66		74	69	65		72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54		63	57	53		62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49		59	53	49		57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		53	48	44	43
9	65	54	46	42	64	53	46	42	52	46	41		51	45	41		50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	198215
5°	195336
10°	186557
15°	172703
20°	156158
25°	138257
30°	119413
35°	100075
40°	82767
45°	68320
50°	57066
55°	48960
60°	42574
65°	37511
70°	32659
75°	27416
80°	22596
85°	17334



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.6	7.0
10°-20°	650.8	17.8
20°-30°	800.6	21.9
30°-40°	717.8	19.6
40°-50°	525.3	14.4
50°-60°	355.2	9.7
60°-70°	220.7	6.0
70°-80°	106.7	2.9
80°-90°	25.2	0.7
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°	1706.1	46.7
0°-40°	2423.9	66.3
0°-60°	3304.4	90.4
0°-90°	3657.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3657.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2768	
5°	2718	255
15°	2330	651
25°	1750	801
35°	1145	718
45°	675	525
55°	392	355
65°	221	221
75°	99	107
85°	21	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2768.3
2.5°	2755.7
5°	2717.7
7.5°	2654.5
10°	2565.9
12.5°	2460.5
15°	2329.8
17.5°	2192.8
20°	2049.4
22.5°	1901.8
25°	1750.0
27.5°	1591.9
30°	1444.3
32.5°	1292.5
35°	1144.9
37.5°	1012.0
40°	885.5
42.5°	771.7
45°	674.7
47.5°	588.2
50°	512.3
52.5°	451.2
55°	392.2
57.5°	343.7
60°	297.3
62.5°	257.2
65°	221.4
67.5°	187.6
70°	156.0
72.5°	126.5
75°	99.1
77.5°	73.8
80°	54.8
82.5°	35.8
85°	21.1
87.5°	8.4
90°	0.0

(END OF REPORT)