

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: P365784

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365784
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)
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-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3669.9 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

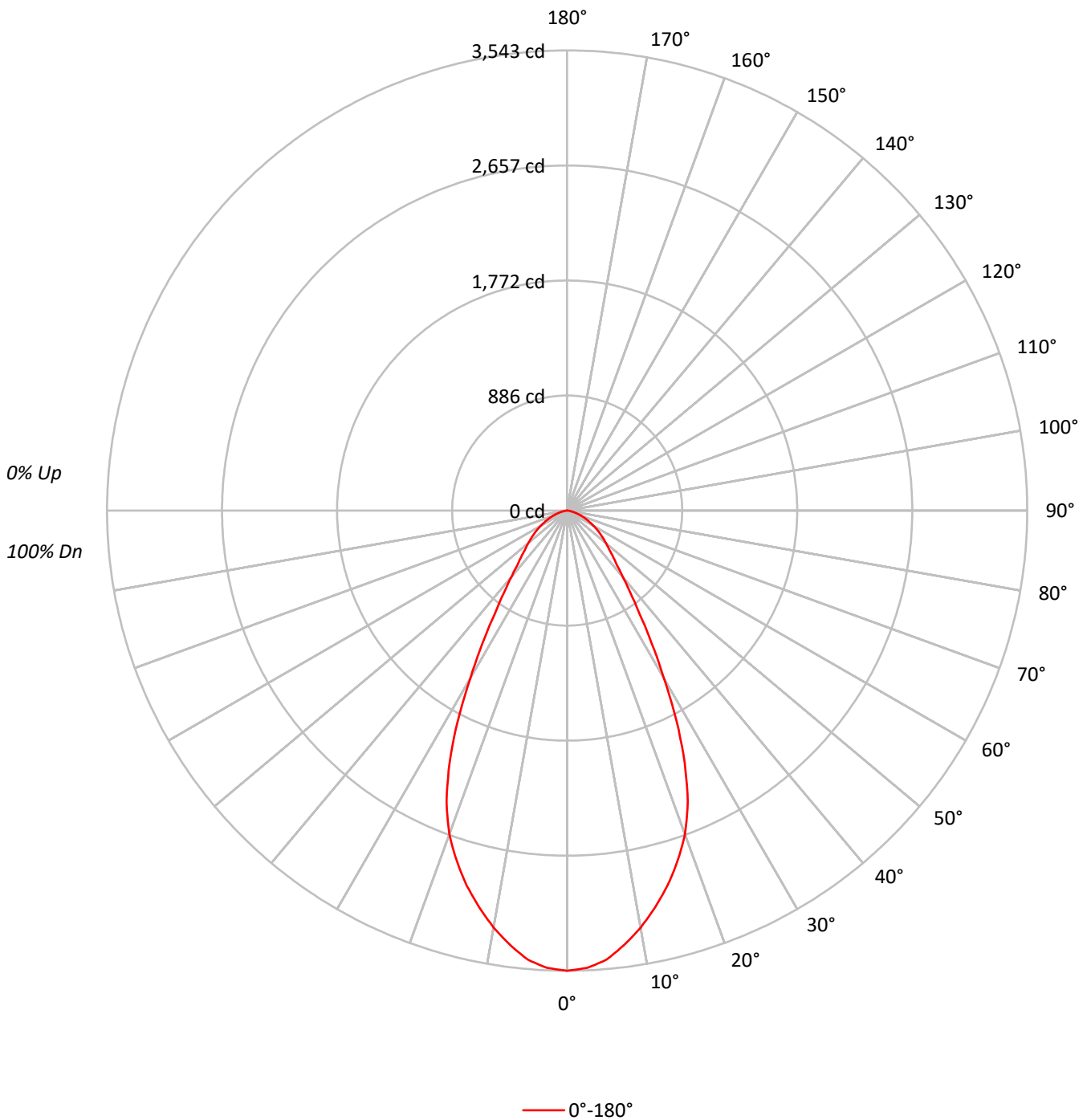
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	92	84	77	72	91	82	76	71	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	61
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44		53	48	44		52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	253707
5°	249523
10°	237059
15°	221516
20°	202128
25°	169226
30°	123183
35°	85224
40°	62335
45°	50215
50°	43488
55°	38461
60°	33553
65°	28599
70°	23405
75°	17512
80°	12164
85°	10434



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.3	8.8
10°-20°	834.6	22.7
20°-30°	963.4	26.3
30°-40°	628.3	17.1
40°-50°	390.0	10.6
50°-60°	277.0	7.5
60°-70°	168.4	4.6
70°-80°	69.7	1.9
80°-90°	14.4	0.4
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°	2122.3	57.8
0°-40°	2750.6	74.9
0°-60°	3417.5	93.1
0°-90°	3669.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3669.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3543	
5°	3472	324
15°	2988	835
25°	2142	963
35°	975	628
45°	496	390
55°	308	277
65°	169	168
75°	63	70
85°	13	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3543.3
2.5°	3524.3
5°	3471.6
7.5°	3372.4
10°	3260.5
12.5°	3127.6
15°	2988.3
17.5°	2827.9
20°	2652.7
22.5°	2426.9
25°	2142.0
27.5°	1823.4
30°	1489.9
32.5°	1211.4
35°	975.0
37.5°	799.8
40°	666.9
42.5°	567.7
45°	495.9
47.5°	436.8
50°	390.4
52.5°	348.2
55°	308.1
57.5°	272.2
60°	234.3
62.5°	200.5
65°	168.8
67.5°	139.3
70°	111.8
72.5°	86.5
75°	63.3
77.5°	44.3
80°	29.5
82.5°	19.0
85°	12.7
87.5°	6.3
90°	0.0

(END OF REPORT)