

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: P365763

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3659.0 lumens
Efficiency: N/A
Efficacy: 63.0 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

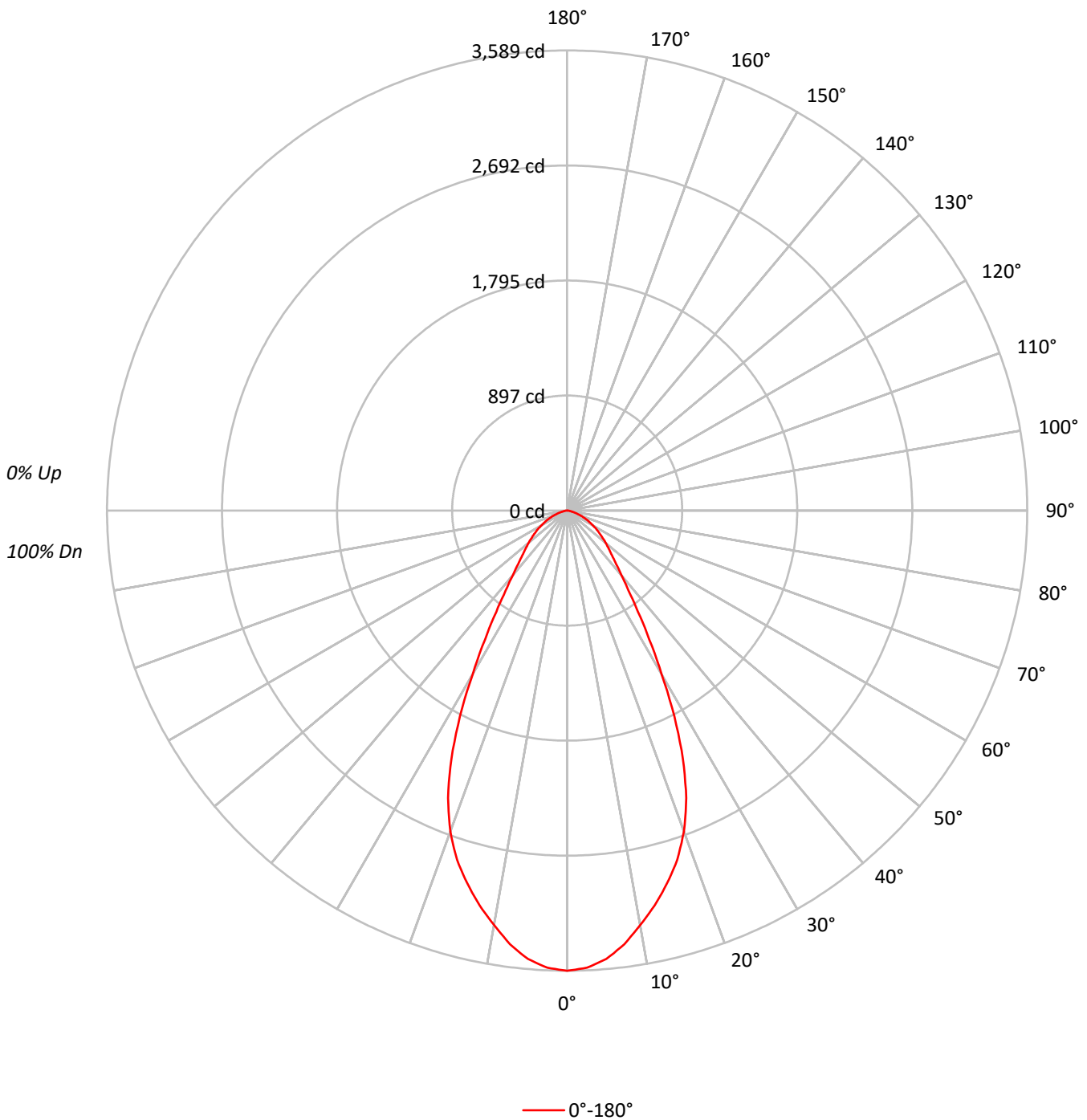
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	86	84	82
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65		73	68	64		71	67	63	62
6	82	72	65	60	81	71	64	60	69	64	59		68	63	59		67	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	256993
5°	252354
10°	238652
15°	223169
20°	202882
25°	168871
30°	121901
35°	84237
40°	61587
45°	50043
50°	43588
55°	38299
60°	33324
65°	28260
70°	22840
75°	15963
80°	10185
85°	11830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.8	9.0
10°-20°	841.2	23.0
20°-30°	960.7	26.3
30°-40°	619.7	16.9
40°-50°	389.1	10.6
50°-60°	276.0	7.5
60°-70°	166.3	4.5
70°-80°	64.2	1.8
80°-90°	14.0	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°	2129.7	58.2
0°-40°	2749.3	75.1
0°-60°	3414.5	93.3
0°-90°	3659.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3659.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3589	
5°	3511	328
15°	3011	841
25°	2138	961
35°	964	620
45°	494	389
55°	307	276
65°	167	166
75°	58	64
85°	14	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3589.2
2.5°	3568.6
5°	3511.0
7.5°	3412.1
10°	3282.4
12.5°	3154.7
15°	3010.6
17.5°	2856.1
20°	2662.6
22.5°	2427.8
25°	2137.5
27.5°	1810.0
30°	1474.4
32.5°	1192.3
35°	963.7
37.5°	786.6
40°	658.9
42.5°	566.3
45°	494.2
47.5°	438.6
50°	391.3
52.5°	348.0
55°	306.8
57.5°	269.8
60°	232.7
62.5°	199.7
65°	166.8
67.5°	135.9
70°	109.1
72.5°	80.3
75°	57.7
77.5°	39.1
80°	24.7
82.5°	16.5
85°	14.4
87.5°	8.2
90°	0.0

(END OF REPORT)