

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: P365764

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-MW-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365764
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-16)
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-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3633.0 lumens
Efficiency: N/A
Efficacy: 62.5 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

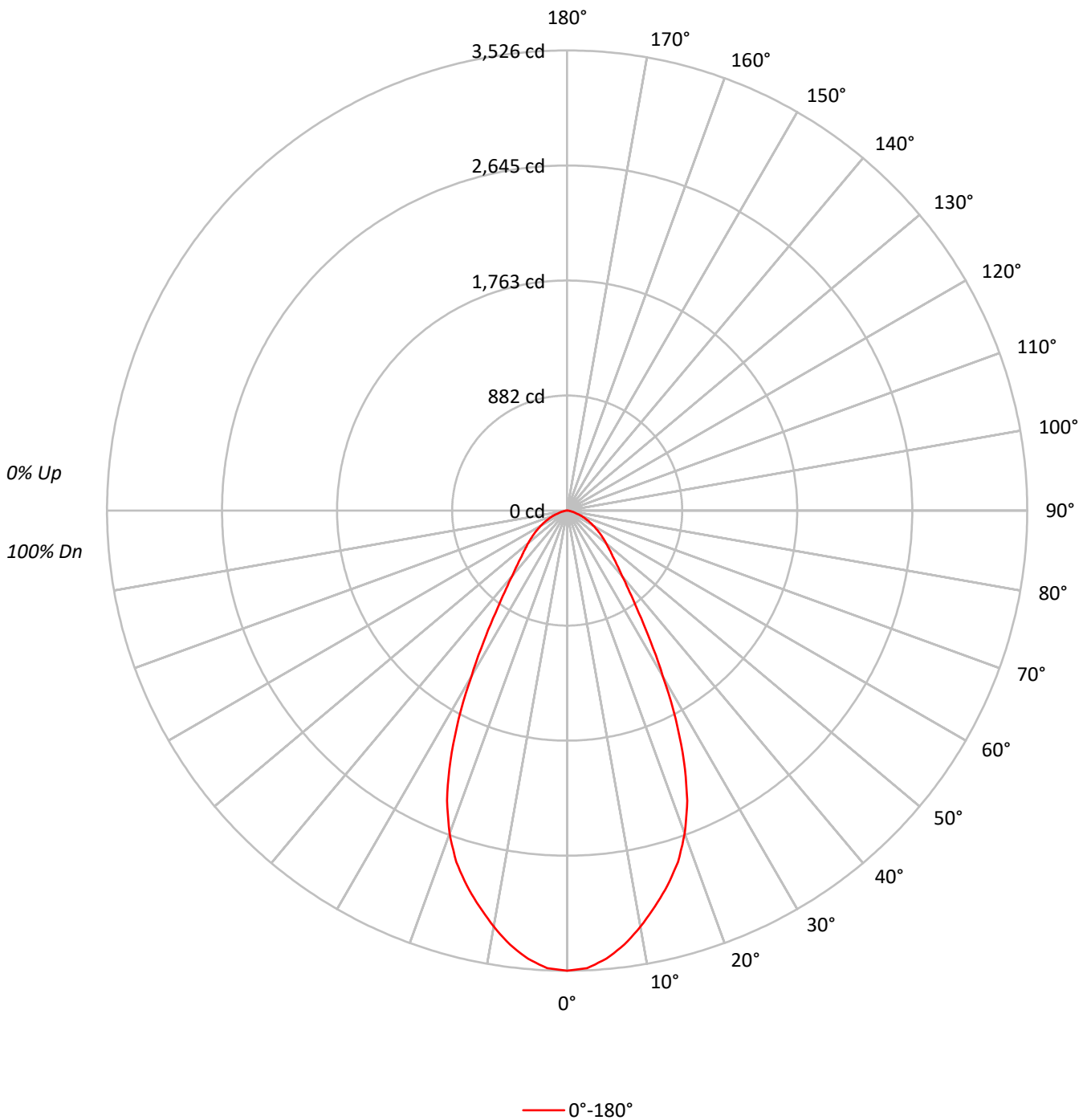
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	93	84	77	72	91	82	76	72	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	62
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	64	58	54	62	58	54	52
8	73	63	56	51	72	62	55	51	61	55	51	60	54	51	59	54	50	49
9	70	59	52	48	68	58	52	48	57	51	47	56	51	47	55	51	47	45
10	66	55	49	45	65	55	49	44	54	48	44	53	48	44	52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	252439
5°	247776
10°	235373
15°	220434
20°	200696
25°	167417
30°	121397
35°	83520
40°	61400
45°	49840
50°	43354
55°	38299
60°	33324
65°	28260
70°	22840
75°	16516
80°	11051
85°	11830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.3	8.9
10°-20°	830.6	22.9
20°-30°	953.1	26.2
30°-40°	616.8	17.0
40°-50°	387.6	10.7
50°-60°	275.8	7.6
60°-70°	166.3	4.6
70°-80°	66.1	1.8
80°-90°	14.3	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°	2106.1	58.0
0°-40°	2722.9	74.9
0°-60°	3386.3	93.2
0°-90°	3633.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3633.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3526	
5°	3447	322
15°	2974	831
25°	2119	953
35°	956	617
45°	492	388
55°	307	276
65°	167	166
75°	60	66
85°	14	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3525.6
2.5°	3509.1
5°	3447.3
7.5°	3354.7
10°	3237.3
12.5°	3107.5
15°	2973.7
17.5°	2823.4
20°	2633.9
22.5°	2405.3
25°	2119.1
27.5°	1799.9
30°	1468.3
32.5°	1188.2
35°	955.5
37.5°	784.6
40°	656.9
42.5°	564.3
45°	492.2
47.5°	436.6
50°	389.2
52.5°	348.0
55°	306.8
57.5°	269.8
60°	232.7
62.5°	199.8
65°	166.8
67.5°	135.9
70°	109.1
72.5°	82.4
75°	59.7
77.5°	41.2
80°	26.8
82.5°	16.5
85°	14.4
87.5°	8.2
90°	0.0

(END OF REPORT)