

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: P365780

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-20)
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-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3404.0 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

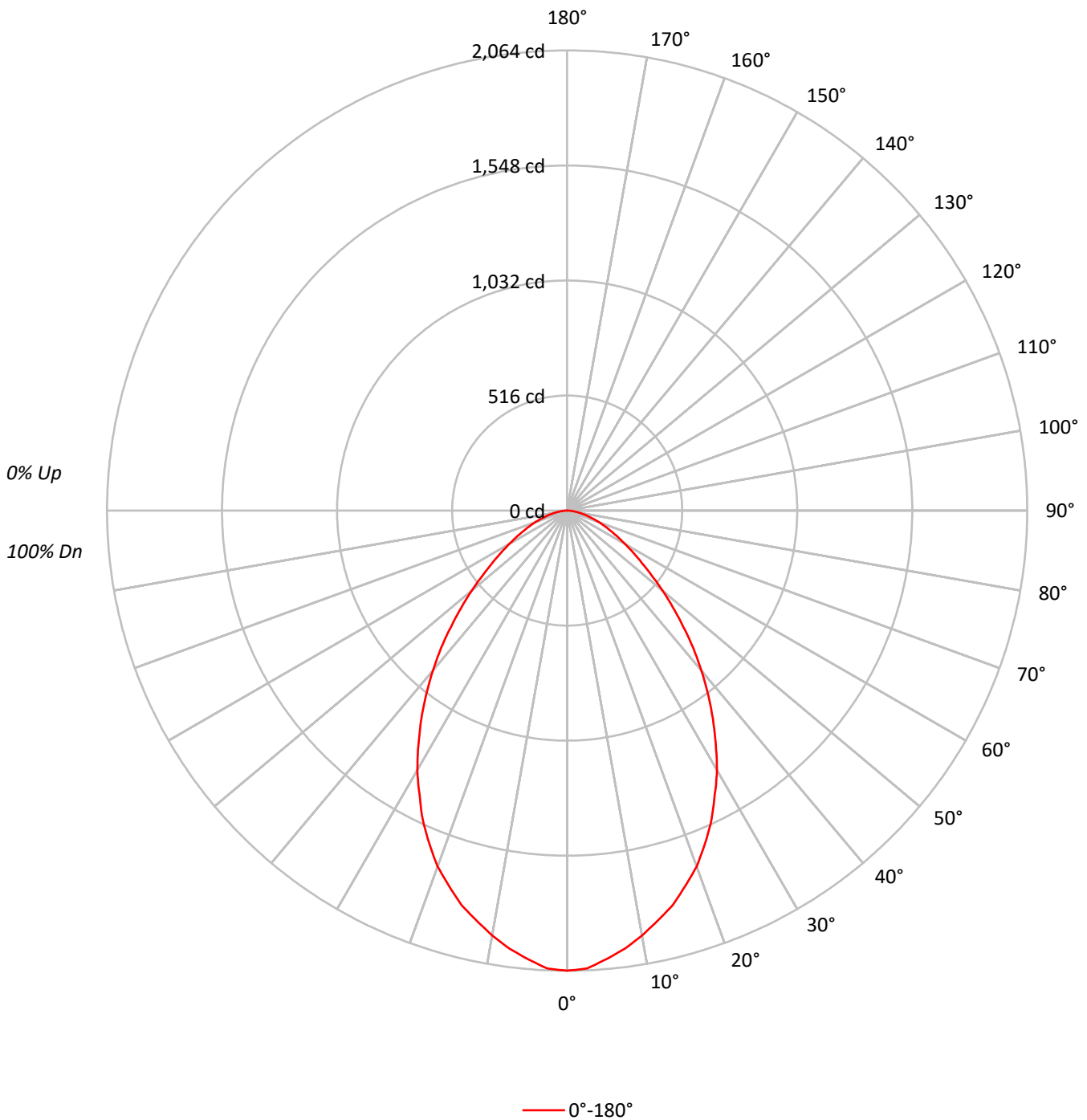
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72	79	75	71	77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64	72	67	63	70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	59	56	54
6	77	65	57	52	75	64	57	51	62	56	51	61	55	50	59	54	50	48
7	72	60	52	46	70	59	52	46	57	51	46	56	50	46	55	50	45	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40
9	63	51	44	39	62	51	43	39	49	43	38	48	42	38	47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	147765
5°	145145
10°	140687
15°	135772
20°	129428
25°	121026
30°	111128
35°	99603
40°	87572
45°	74568
50°	62291
55°	51107
60°	42904
65°	36460
70°	31800
75°	26863
80°	21771
85°	17334



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.2	5.6
10°-20°	513.5	15.1
20°-30°	701.5	20.6
30°-40°	711.0	20.9
40°-50°	570.2	16.7
50°-60°	371.5	10.9
60°-70°	216.9	6.4
70°-80°	104.3	3.1
80°-90°	25.0	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°	1405.3	41.3
0°-40°	2116.3	62.2
0°-60°	3057.9	89.8
0°-90°	3404.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3404.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2064	
5°	2019	190
15°	1832	514
25°	1532	702
35°	1140	711
45°	736	570
55°	409	371
65°	215	217
75°	97	104
85°	21	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2063.7
2.5°	2055.2
5°	2019.4
7.5°	1981.4
10°	1935.0
12.5°	1882.2
15°	1831.6
17.5°	1764.0
20°	1698.6
22.5°	1616.3
25°	1531.9
27.5°	1434.9
30°	1344.1
32.5°	1240.7
35°	1139.5
37.5°	1038.2
40°	936.9
42.5°	837.7
45°	736.4
47.5°	643.6
50°	559.2
52.5°	476.9
55°	409.4
57.5°	350.3
60°	299.6
62.5°	255.3
65°	215.2
67.5°	181.5
70°	151.9
72.5°	122.4
75°	97.1
77.5°	73.9
80°	52.8
82.5°	35.9
85°	21.1
87.5°	8.4
90°	0.0

(END OF REPORT)