

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: P366162

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-WMH-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366162
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-WMH-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2045.0 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

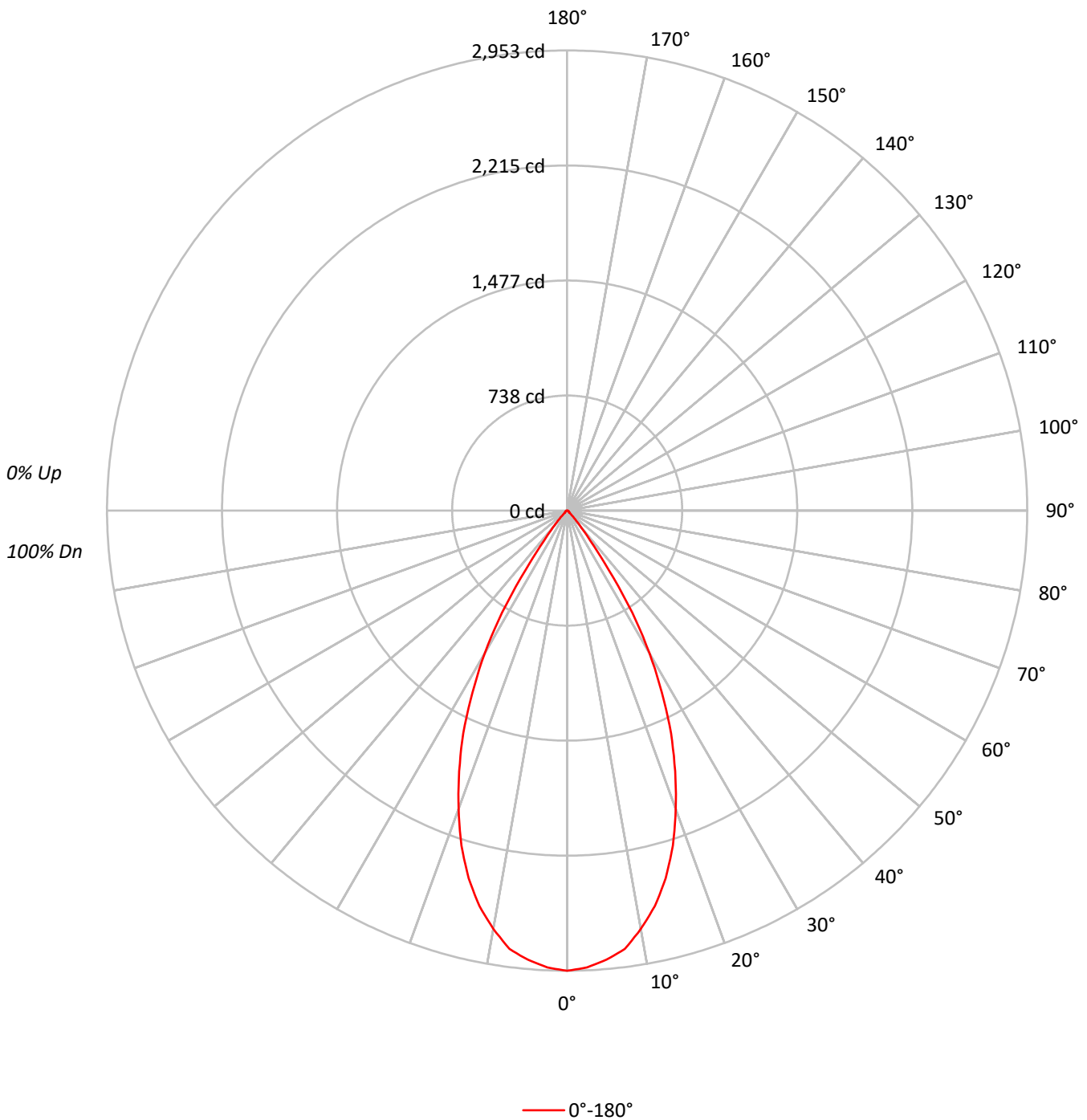
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	211433
5°	207950
10°	198140
15°	181057
20°	155267
25°	124581
30°	87350
35°	40357
40°	12955
45°	4182
50°	1938
55°	1723
60°	1704
65°	1559
70°	1528
75°	1771
80°	2268
85°	3779



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.3	13.3
10°-20°	675.9	33.1
20°-30°	709.8	34.7
30°-40°	315.0	15.4
40°-50°	40.7	2.0
50°-60°	12.7	0.6
60°-70°	9.0	0.4
70°-80°	6.5	0.3
80°-90°	4.0	0.2
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°	1657.1	81.0
0°-40°	1972.1	96.4
0°-60°	2025.5	99.0
0°-90°	2045.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2045.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2953	
5°	2893	271
15°	2442	676
25°	1577	710
35°	462	315
45°	41	41
55°	14	13
65°	9	9
75°	6	7
85°	5	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2952.9
2.5°	2934.5
5°	2893.2
7.5°	2837.2
10°	2725.2
12.5°	2599.5
15°	2442.5
17.5°	2254.4
20°	2037.7
22.5°	1810.1
25°	1576.9
27.5°	1315.3
30°	1056.5
32.5°	776.5
35°	461.7
37.5°	246.0
40°	138.6
42.5°	76.2
45°	41.3
47.5°	21.1
50°	17.4
52.5°	15.6
55°	13.8
57.5°	12.9
60°	11.9
62.5°	10.1
65°	9.2
67.5°	7.3
70°	7.3
72.5°	6.4
75°	6.4
77.5°	5.5
80°	5.5
82.5°	4.6
85°	4.6
87.5°	2.8
90°	0.0

(END OF REPORT)