

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: P364792

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-LI-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX30D010-FEU6B35-8050-F6LBXVM1-LI-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2324.0 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

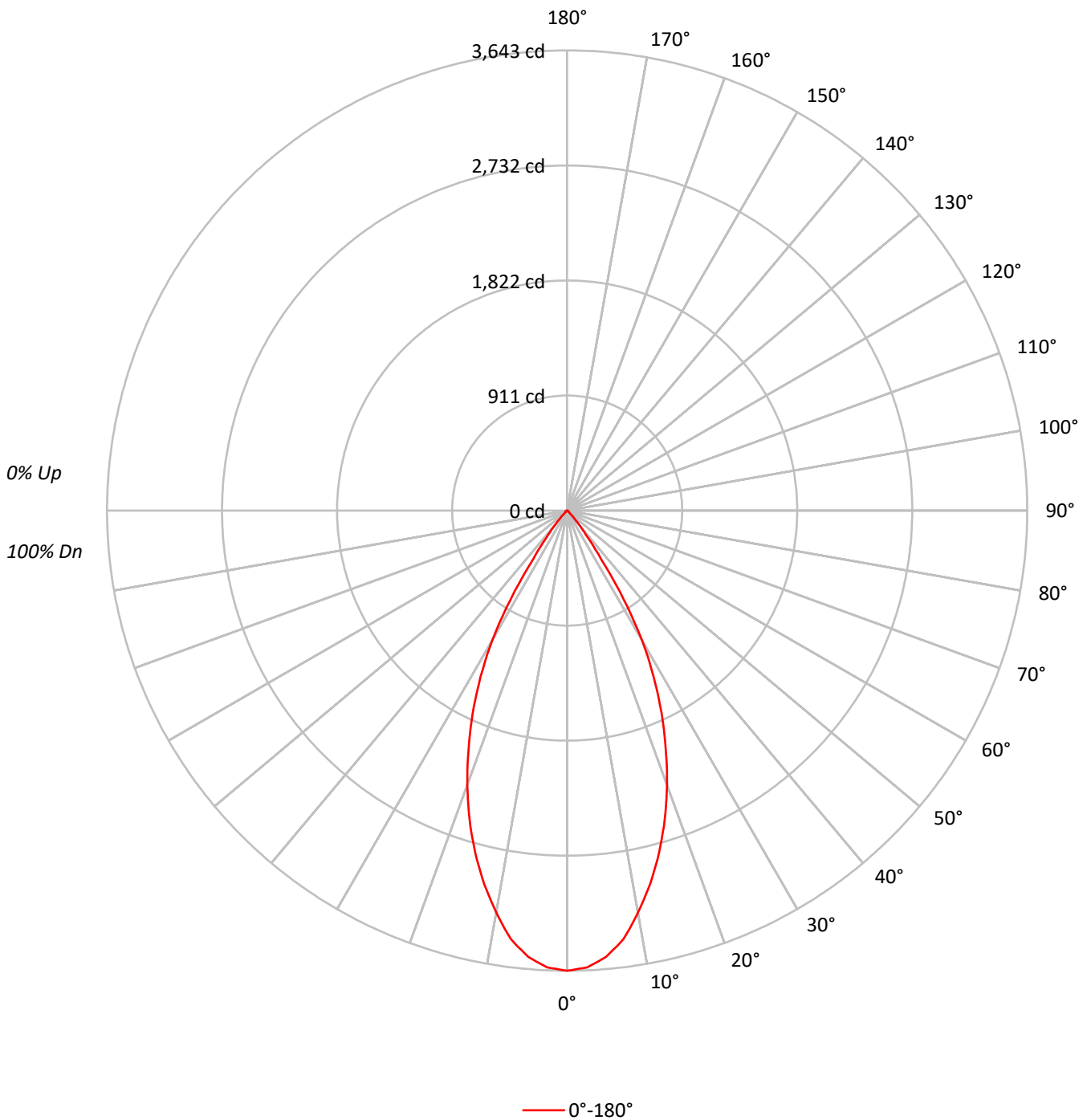
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	102	99	96	99	96	94		96	94	92		94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87		92	89	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77		83	79	76		81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72		79	75	72		78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68		75	71	68		74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65		72	67	64		71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61		68	64	61		68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	260838
5°	254899
10°	234987
15°	208128
20°	176206
25°	139600
30°	98107
35°	40855
40°	14020
45°	3747
50°	2061
55°	1922
60°	1761
65°	1745
70°	1717
75°	1992
80°	2556
85°	4190



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.6	14.1
10°-20°	778.9	33.5
20°-30°	799.6	34.4
30°-40°	338.6	14.6
40°-50°	41.6	1.8
50°-60°	13.8	0.6
60°-70°	10.2	0.4
70°-80°	7.9	0.3
80°-90°	4.8	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°	1907.2	82.1
0°-40°	2245.8	96.6
0°-60°	2301.2	99.0
0°-90°	2324.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2324.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3643	
5°	3546	329
15°	2808	779
25°	1767	800
35°	467	339
45°	37	42
55°	15	14
65°	10	10
75°	7	8
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3642.9
2.5°	3619.3
5°	3546.4
7.5°	3421.0
10°	3232.0
12.5°	3030.6
15°	2807.7
17.5°	2568.3
20°	2312.5
22.5°	2040.3
25°	1767.0
27.5°	1484.5
30°	1186.6
32.5°	836.2
35°	467.4
37.5°	268.1
40°	150.0
42.5°	79.1
45°	37.0
47.5°	21.6
50°	18.5
52.5°	16.4
55°	15.4
57.5°	14.4
60°	12.3
62.5°	11.3
65°	10.3
67.5°	9.2
70°	8.2
72.5°	8.2
75°	7.2
77.5°	7.2
80°	6.2
82.5°	6.2
85°	5.1
87.5°	3.1
90°	0.0

(END OF REPORT)