

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: P364788

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-LI-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364788
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-23)
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-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2397.0 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

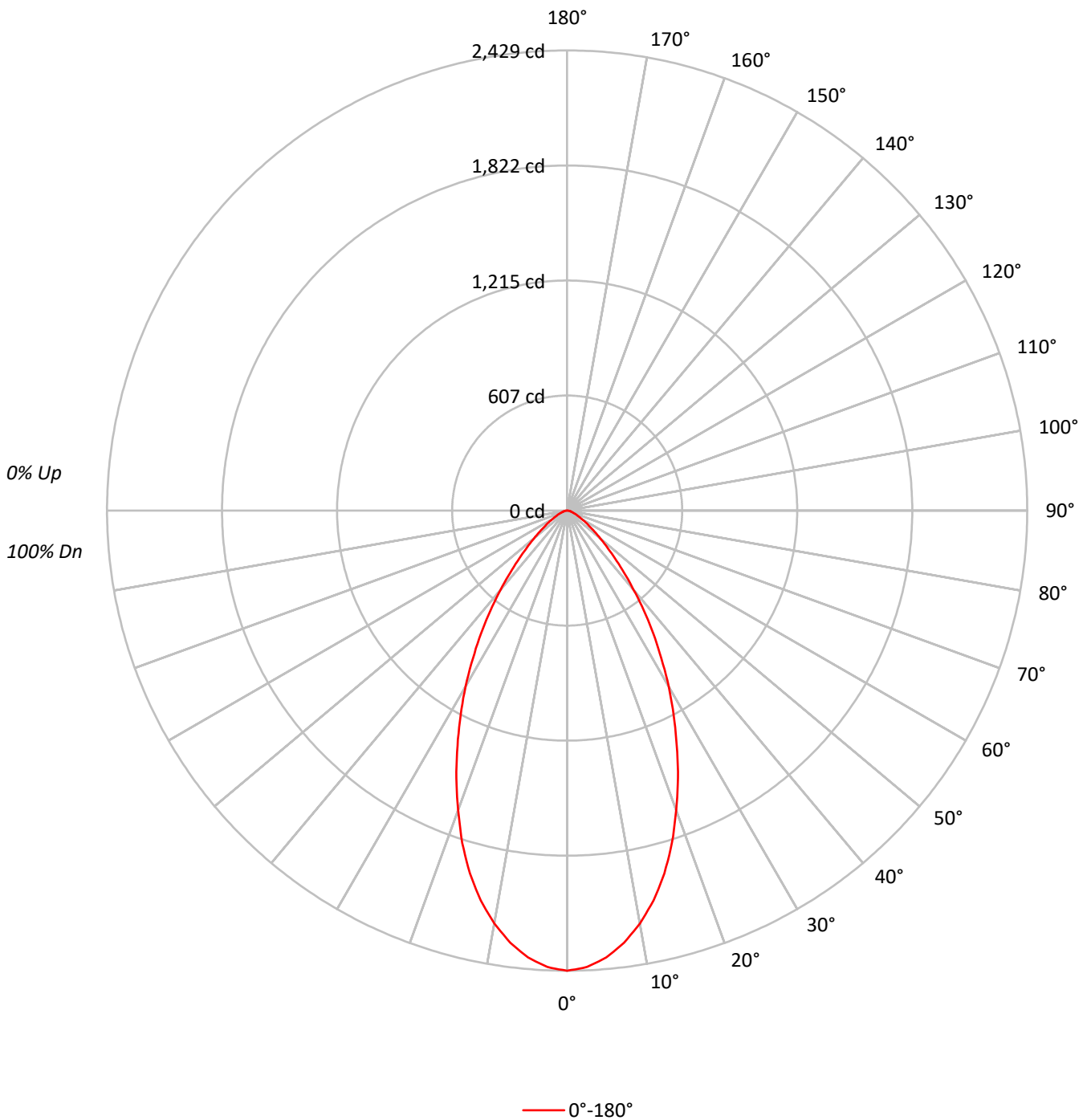
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91													
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83													
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76													
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69													
5	88	79	72	67	87	78	72	67	76	71	67	74	70	66	73	69	65	64													
6	83	73	67	62	82	73	66	62	71	65	61	69	65	61	68	64	60	59													
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54													
8	75	64	57	53	73	63	57	53	62	57	52	61	56	52	60	55	52	50													
9	71	60	54	49	69	60	53	49	59	53	49	58	52	49	57	52	49	47													
10	67	57	50	46	66	56	50	46	55	50	46	54	49	46	54	49	45	44													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	173928
5°	170201
10°	160885
15°	146921
20°	128148
25°	108180
30°	88648
35°	69298
40°	51081
45°	35947
50°	25364
55°	17964
60°	12745
65°	9471
70°	7369
75°	6003
80°	5567
85°	5915



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.1	9.2
10°-20°	550.5	23.0
20°-30°	627.2	26.2
30°-40°	495.0	20.7
40°-50°	281.4	11.7
50°-60°	132.8	5.5
60°-70°	57.5	2.4
70°-80°	23.9	1.0
80°-90°	7.7	0.3
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°	1398.8	58.4
0°-40°	1893.8	79.0
0°-60°	2308.0	96.3
0°-90°	2397.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2397.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2429	
5°	2368	221
15°	1982	551
25°	1369	627
35°	793	495
45°	355	281
55°	144	133
65°	56	57
75°	22	24
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2429.1
2.5°	2411.5
5°	2368.0
7.5°	2300.7
10°	2212.8
12.5°	2107.2
15°	1982.0
17.5°	1840.2
20°	1681.8
22.5°	1528.6
25°	1369.3
27.5°	1217.1
30°	1072.2
32.5°	925.3
35°	792.8
37.5°	665.5
40°	546.5
42.5°	445.0
45°	355.0
47.5°	283.6
50°	227.7
52.5°	181.1
55°	143.9
57.5°	113.8
60°	89.0
62.5°	70.4
65°	55.9
67.5°	44.5
70°	35.2
72.5°	27.9
75°	21.7
77.5°	16.6
80°	13.5
82.5°	10.3
85°	7.2
87.5°	4.1
90°	0.0

(END OF REPORT)