

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: P365444

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-MW-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365444
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-12)
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-MW-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1757.0 lumens
Efficiency: N/A
Efficacy: 65.1 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

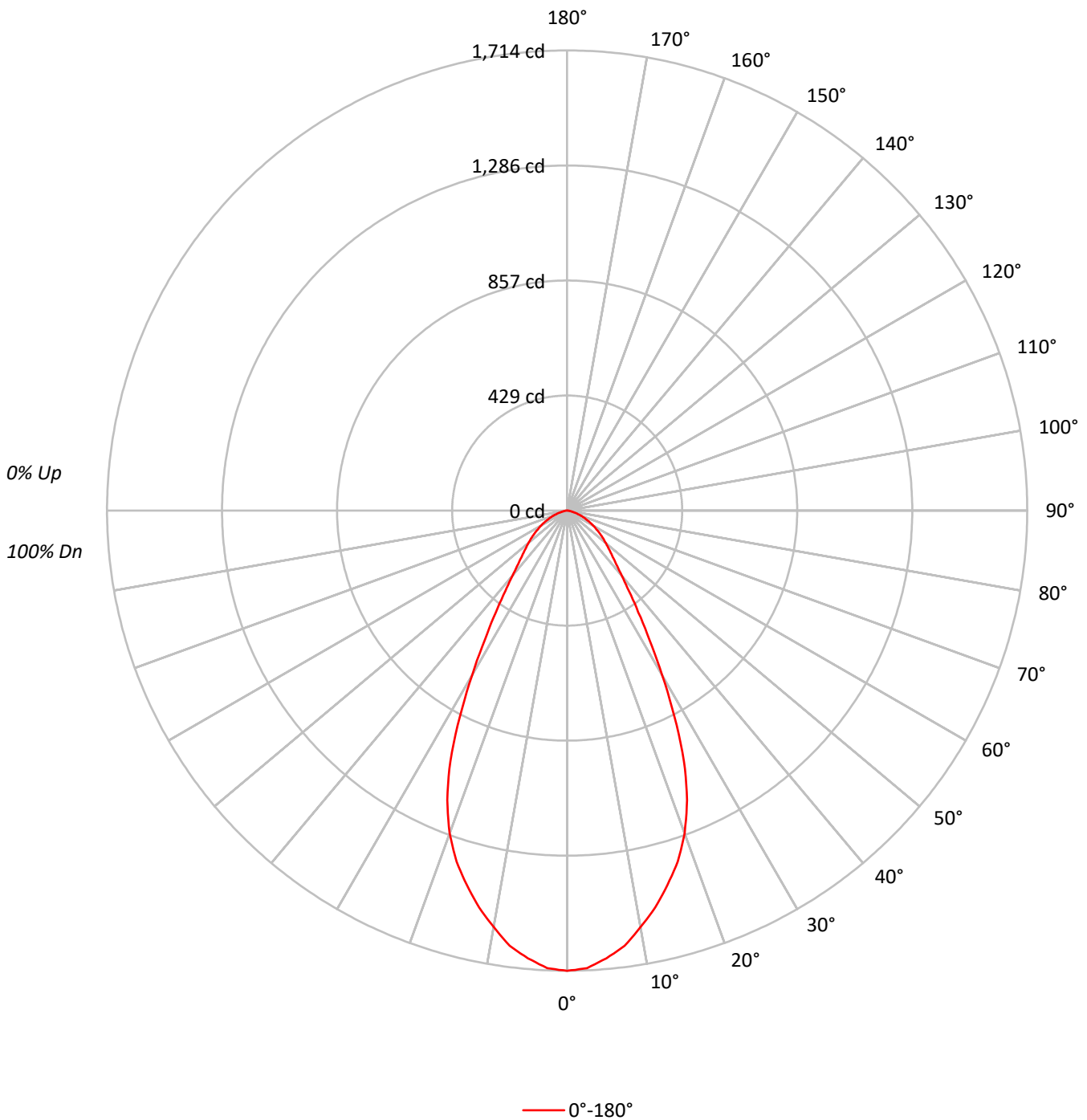
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	74	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	81	71	64	60	69	64	59		68	63	59		66	62	58	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	63	56	51	72	62	56	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	46
10	66	55	49	45	65	55	49	45	54	48	44		53	48	44		52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	122747
5°	120319
10°	114556
15°	107003
20°	97487
25°	81382
30°	58512
35°	40392
40°	29527
45°	23918
50°	20886
55°	18488
60°	16110
65°	13656
70°	10991
75°	7774
80°	5402
85°	6162



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.9	8.9
10°-20°	403.7	23.0
20°-30°	461.4	26.3
30°-40°	296.9	16.9
40°-50°	186.1	10.6
50°-60°	132.8	7.6
60°-70°	80.5	4.6
70°-80°	31.6	1.8
80°-90°	7.1	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°	1022.0	58.2
0°-40°	1318.8	75.1
0°-60°	1637.7	93.2
0°-90°	1757.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1757.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1714	
5°	1674	157
15°	1444	404
25°	1030	461
35°	462	297
45°	236	186
55°	148	133
65°	81	81
75°	28	32
85°	8	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1714.3
2.5°	1705.9
5°	1674.0
7.5°	1635.6
10°	1575.6
12.5°	1514.7
15°	1443.5
17.5°	1370.3
20°	1279.4
22.5°	1167.0
25°	1030.1
27.5°	865.1
30°	707.7
32.5°	568.9
35°	462.1
37.5°	377.7
40°	315.9
42.5°	269.9
45°	236.2
47.5°	210.0
50°	187.5
52.5°	167.8
55°	148.1
57.5°	129.3
60°	112.5
62.5°	96.5
65°	80.6
67.5°	66.5
70°	52.5
72.5°	39.4
75°	28.1
77.5°	19.7
80°	13.1
82.5°	8.4
85°	7.5
87.5°	3.7
90°	0.0

(END OF REPORT)