

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: P365496

Luminaire Tested: **FLD6BX30D010-FEU6B35-8040-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365496
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-MW-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1758.0 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

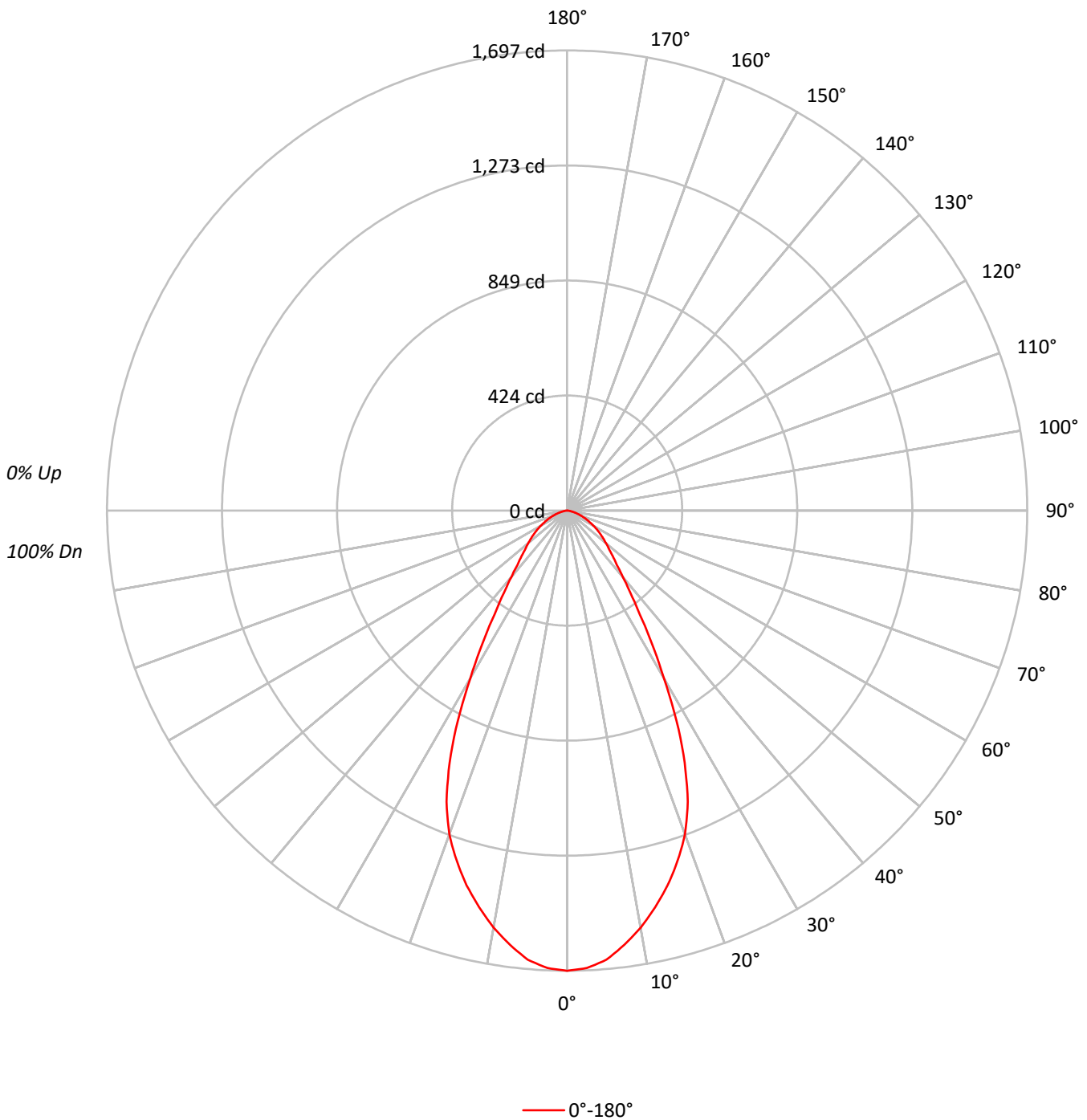
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	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	92	84	77	72	91	82	76	71	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	61
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59	54	50	49
9	69	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	49	44	54	48	44		53	48	44		52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	121530
5°	119522
10°	113560
15°	106106
20°	96824
25°	81066
30°	59008
35°	40820
40°	29854
45°	24059
50°	20830
55°	18426
60°	16067
65°	13706
70°	11221
75°	8382
80°	5855
85°	5011



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.3	8.8
10°-20°	399.8	22.7
20°-30°	461.5	26.3
30°-40°	300.9	17.1
40°-50°	186.8	10.6
50°-60°	132.7	7.5
60°-70°	80.7	4.6
70°-80°	33.4	1.9
80°-90°	6.9	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°	1016.6	57.8
0°-40°	1317.5	74.9
0°-60°	1637.0	93.1
0°-90°	1758.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1758.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1697	
5°	1663	155
15°	1431	400
25°	1026	461
35°	467	301
45°	238	187
55°	148	133
65°	81	81
75°	30	33
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1697.3
2.5°	1688.2
5°	1662.9
7.5°	1615.4
10°	1561.9
12.5°	1498.2
15°	1431.4
17.5°	1354.6
20°	1270.7
22.5°	1162.5
25°	1026.1
27.5°	873.4
30°	713.7
32.5°	580.3
35°	467.0
37.5°	383.1
40°	319.4
42.5°	271.9
45°	237.6
47.5°	209.3
50°	187.0
52.5°	166.8
55°	147.6
57.5°	130.4
60°	112.2
62.5°	96.0
65°	80.9
67.5°	66.7
70°	53.6
72.5°	41.4
75°	30.3
77.5°	21.2
80°	14.2
82.5°	9.1
85°	6.1
87.5°	3.0
90°	0.0

(END OF REPORT)