

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: P365460

Luminaire Tested: **FLD6BX30D010-FEU6B35-8030-F6LBXVM1-MW-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365460
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-FEU6B35-8030-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: 1706.0 lumens
Efficiency: N/A
Efficacy: 63.2 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

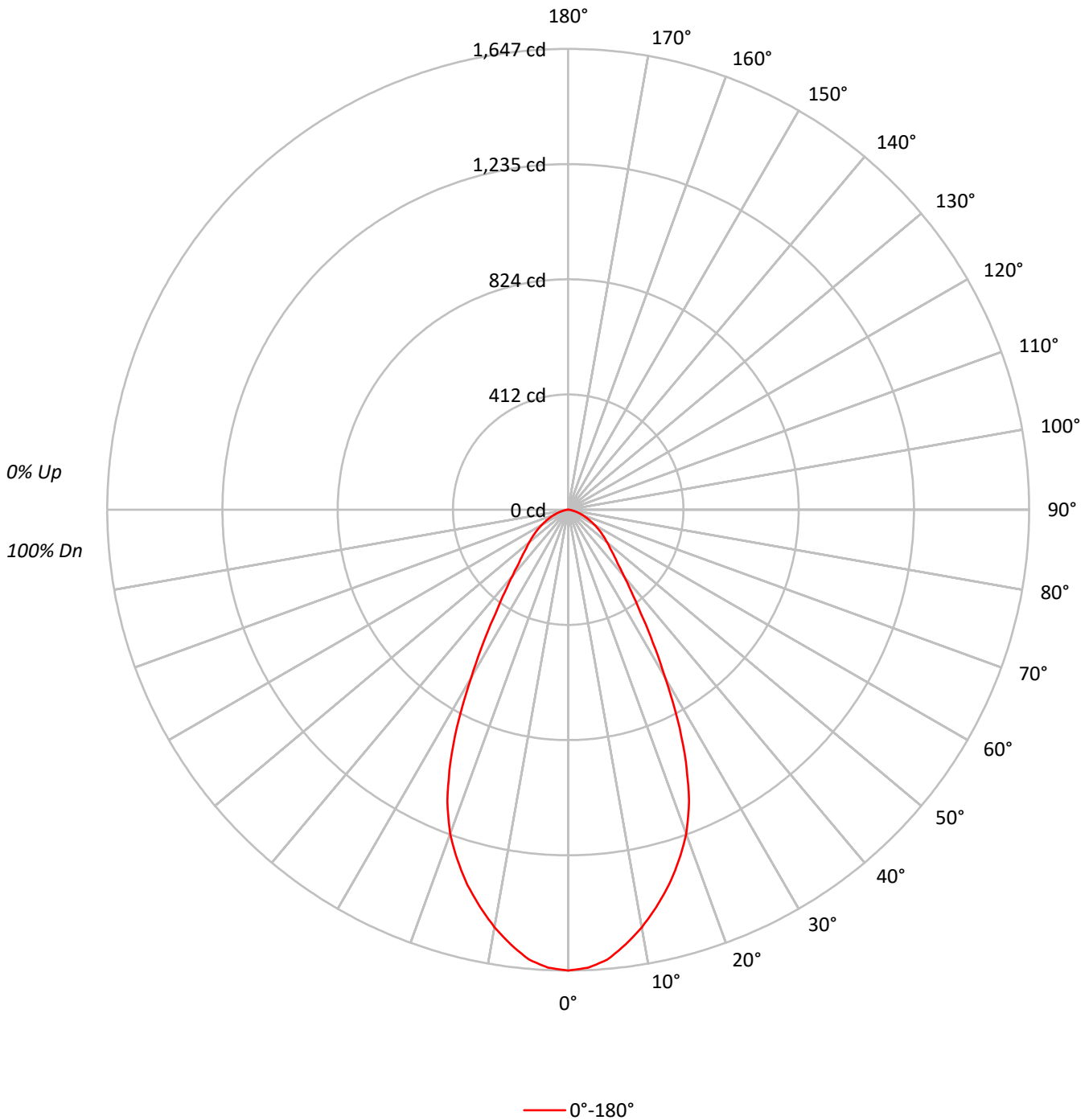
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365460

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8030-F6LBXVM1-MW-BTR87

Luminous Intensity Polar Plot





TEST NUMBER: P365460

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8030-F6LBXVM1-MW-BTR87

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°	117935
5°	115992
10°	110201
15°	102971
20°	93959
25°	78664
30°	57263
35°	39614
40°	28976
45°	23341
50°	20218
55°	17876
60°	15595
65°	13300
70°	10886
75°	8133
80°	5649
85°	4847



TEST NUMBER: P365460

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8030-F6LBXVM1-MW-BTR87

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.7	8.8
10°-20°	388.0	22.7
20°-30°	447.8	26.3
30°-40°	292.0	17.1
40°-50°	181.3	10.6
50°-60°	128.8	7.5
60°-70°	78.3	4.6
70°-80°	32.4	1.9
80°-90°	6.7	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°	986.6	57.8
0°-40°	1278.6	74.9
0°-60°	1588.6	93.1
0°-90°	1706.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1706.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1647	
5°	1614	151
15°	1389	388
25°	996	448
35°	453	292
45°	230	181
55°	143	129
65°	78	78
75°	29	32
85°	6	7
90°	0	



TEST NUMBER: P365460

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8030-F6LBXVM1-MW-BTR87

CANDELA DISTRIBUTION (FULL):

	0°
0°	1647.1
2.5°	1638.3
5°	1613.8
7.5°	1567.6
10°	1515.7
12.5°	1453.9
15°	1389.1
17.5°	1314.5
20°	1233.1
22.5°	1128.2
25°	995.7
27.5°	847.6
30°	692.6
32.5°	563.1
35°	453.2
37.5°	371.8
40°	310.0
42.5°	263.9
45°	230.5
47.5°	203.1
50°	181.5
52.5°	161.9
55°	143.2
57.5°	126.5
60°	108.9
62.5°	93.2
65°	78.5
67.5°	64.7
70°	52.0
72.5°	40.2
75°	29.4
77.5°	20.6
80°	13.7
82.5°	8.8
85°	5.9
87.5°	2.9
90°	0.0

(END OF REPORT)