

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: P366172

Luminaire Tested: **FLD6BX30D010-FEU6B35-8030-F6LBXVM1-WMH-BL89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-45)
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-WMH-BL89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC, CLEAR 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2689.0 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

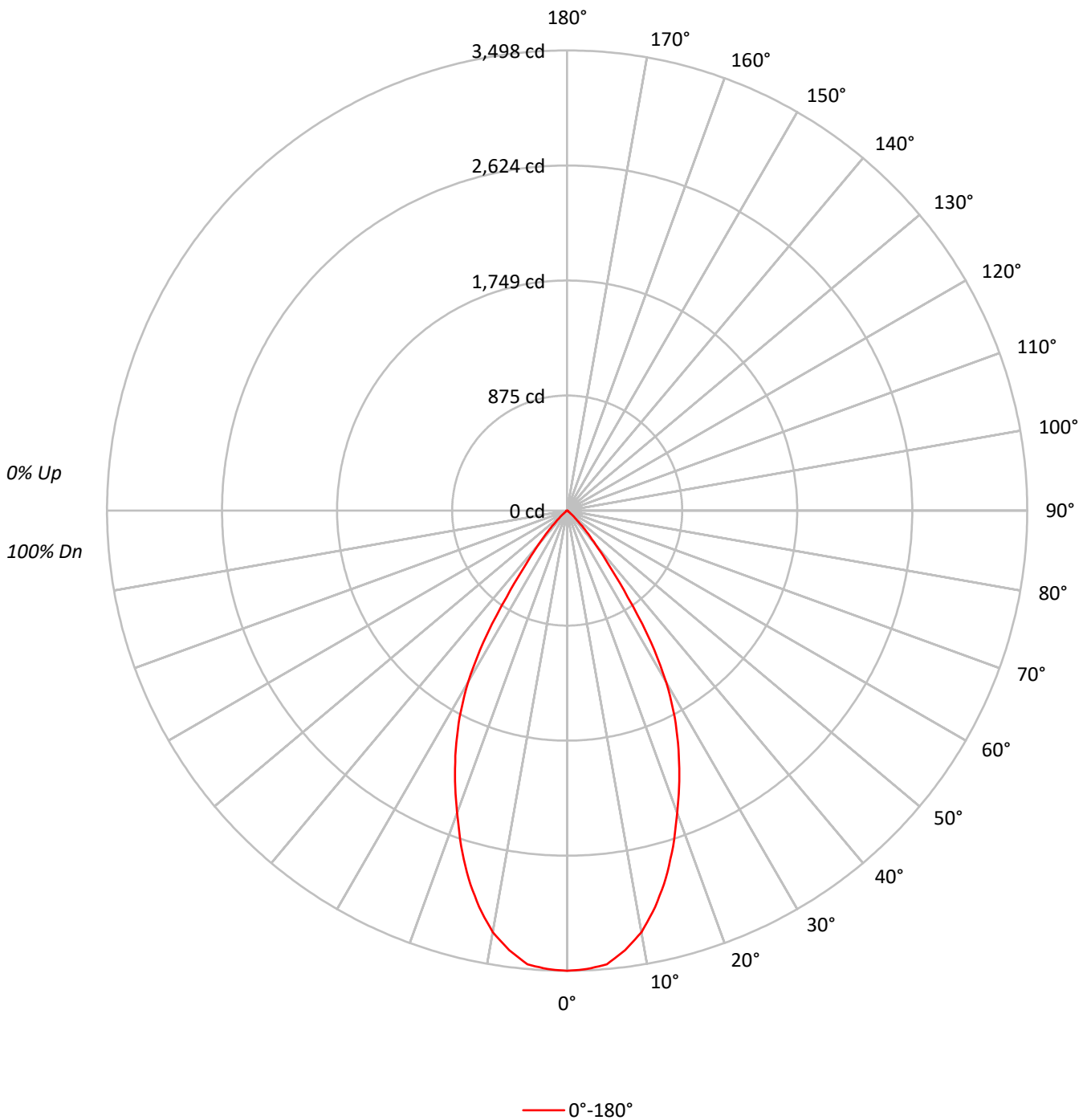
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366172

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8030-F6LBXVM1-WMH-BL89BV

Luminous Intensity Polar Plot





TEST NUMBER: P366172

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8030-F6LBXVM1-WMH-BL89BV

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	108	104	100	97	106	102	99	96	99	96	93		96	94	91		93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86		91	88	85		88	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84	81	78	77
5	94	86	80	76	92	85	79	76	83	78	75		81	77	74		80	76	74	72
6	89	81	75	71	88	80	74	71	78	74	70		77	73	70		76	72	69	68
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72	68	65	64
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68	64	61	60
9	77	68	62	59	76	68	62	58	67	62	58		66	61	58		65	61	58	57
10	74	65	59	55	73	64	59	55	63	58	55		63	58	55		62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	95557
5°	94929
10°	90261
15°	81904
20°	71052
25°	60402
30°	47532
35°	26777
40°	12027
45°	4999
50°	1500
55°	419
60°	268
65°	187
70°	160
75°	211
80°	157
85°	0



TEST NUMBER: P366172

CATALOG NUMBER: FLD6BX30D010-FEUG6B35-8030-F6LBXVM1-WMH-BL89BV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.3	12.0
10°-20°	803.9	29.9
20°-30°	910.3	33.9
30°-40°	521.9	19.4
40°-50°	113.4	4.2
50°-60°	11.1	0.4
60°-70°	3.2	0.1
70°-80°	1.7	0.1
80°-90°	0.1	0.0
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°	2037.5	75.8
0°-40°	2559.4	95.2
0°-60°	2683.9	99.8
0°-90°	2689.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2689.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3498	
5°	3462	323
15°	2896	804
25°	2004	910
35°	803	522
45°	129	113
55°	9	11
65°	3	3
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P366172

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8030-F6LBXVM1-WMH-BL89BV

CANDELA DISTRIBUTION (FULL):

	0°
0°	3498.3
2.5°	3488.5
5°	3462.1
7.5°	3370.9
10°	3254.2
12.5°	3087.5
15°	2896.3
17.5°	2676.7
20°	2444.3
22.5°	2226.7
25°	2004.1
27.5°	1768.8
30°	1507.0
32.5°	1187.4
35°	803.0
37.5°	507.9
40°	337.3
42.5°	215.7
45°	129.4
47.5°	70.6
50°	35.3
52.5°	14.7
55°	8.8
57.5°	6.9
60°	4.9
62.5°	3.9
65°	2.9
67.5°	2.9
70°	2.0
72.5°	2.0
75°	2.0
77.5°	1.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)