

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: P366156

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)
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-WMH-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2125.0 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

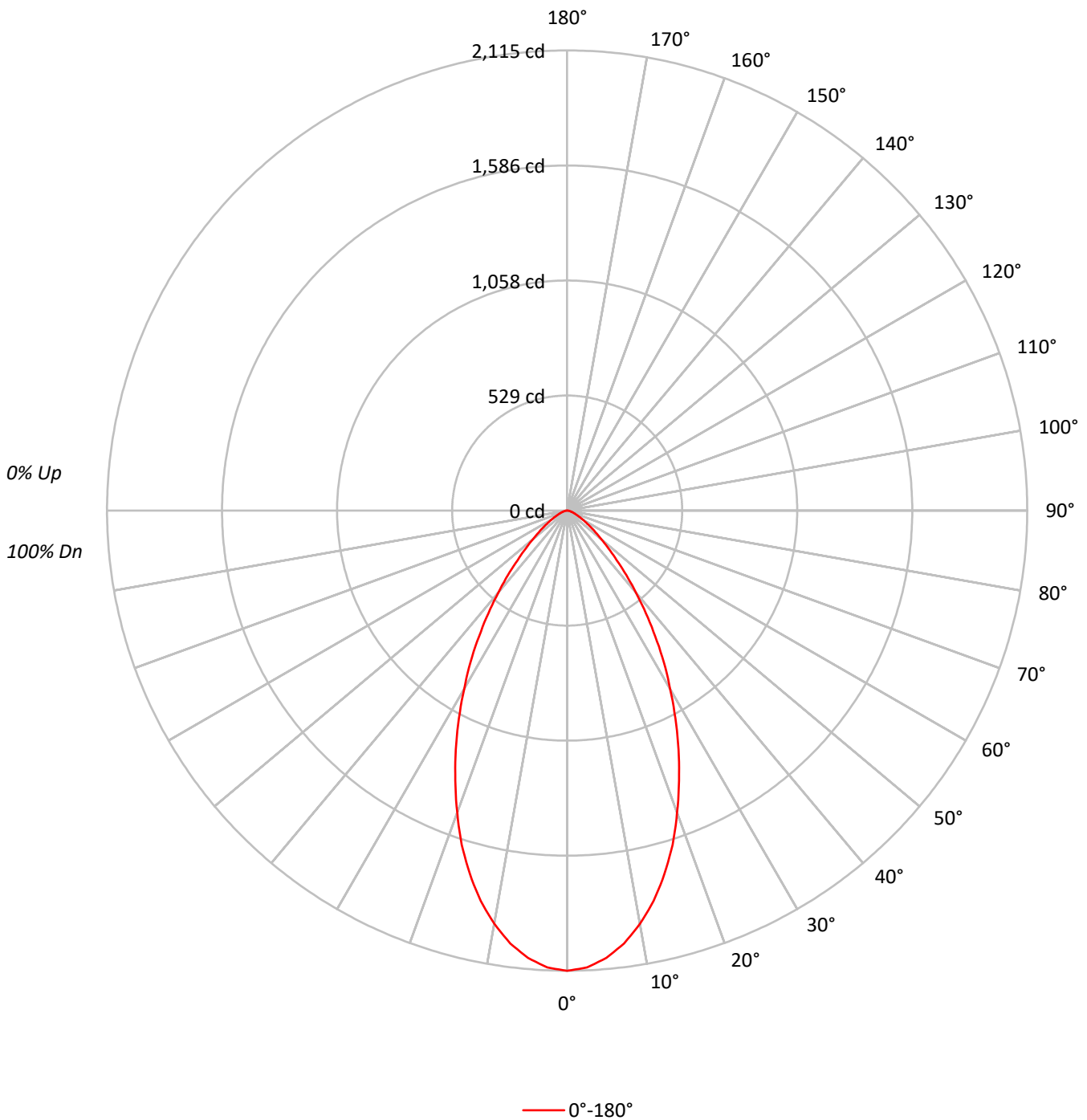
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366156

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-WMH-BTR80

Luminous Intensity Polar Plot





TEST NUMBER: P366156

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-WMH-BTR80

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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80	85	82	79	83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72	79	75	72	78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56	65	60	56	64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	151452
5°	148322
10°	140222
15°	128159
20°	112589
25°	95697
30°	78288
35°	61633
40°	45922
45°	32565
50°	22980
55°	16503
60°	11814
65°	8573
70°	6678
75°	5450
80°	4659
85°	4601



TEST NUMBER: P366156

CATALOG NUMBER: FLD6BX30D010-FEUGB35-8027-F6LBXVM1-WMH-BTR80

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.7	9.1
10°-20°	481.1	22.6
20°-30°	553.4	26.0
30°-40°	441.6	20.8
40°-50°	254.5	12.0
50°-60°	121.3	5.7
60°-70°	52.5	2.5
70°-80°	21.5	1.0
80°-90°	6.4	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°	1227.2	57.7
0°-40°	1668.8	78.5
0°-60°	2044.6	96.2
0°-90°	2125.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2125.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2115	
5°	2064	193
15°	1729	481
25°	1211	553
35°	705	442
45°	322	255
55°	132	121
65°	51	52
75°	20	22
85°	6	6
90°	0	



TEST NUMBER: P366156

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-WMH-BTR80

CANDELA DISTRIBUTION (FULL):

	0°
0°	2115.2
2.5°	2102.0
5°	2063.6
7.5°	2006.4
10°	1928.6
12.5°	1837.6
15°	1728.9
17.5°	1610.8
20°	1477.6
22.5°	1343.5
25°	1211.3
27.5°	1077.3
30°	946.9
32.5°	827.9
35°	705.1
37.5°	595.4
40°	491.3
42.5°	402.2
45°	321.6
47.5°	257.8
50°	206.3
52.5°	165.0
55°	132.2
57.5°	104.1
60°	82.5
62.5°	64.7
65°	50.6
67.5°	40.3
70°	31.9
72.5°	25.3
75°	19.7
77.5°	15.0
80°	11.3
82.5°	8.4
85°	5.6
87.5°	3.8
90°	0.0

(END OF REPORT)