

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: P366192

Luminaire Tested: **FLD6BX30D010-FEU6B35-8035-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366192
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-FEU6B35-8035-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: 2266.0 lumens
Efficiency: N/A
Efficacy: 83.9 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

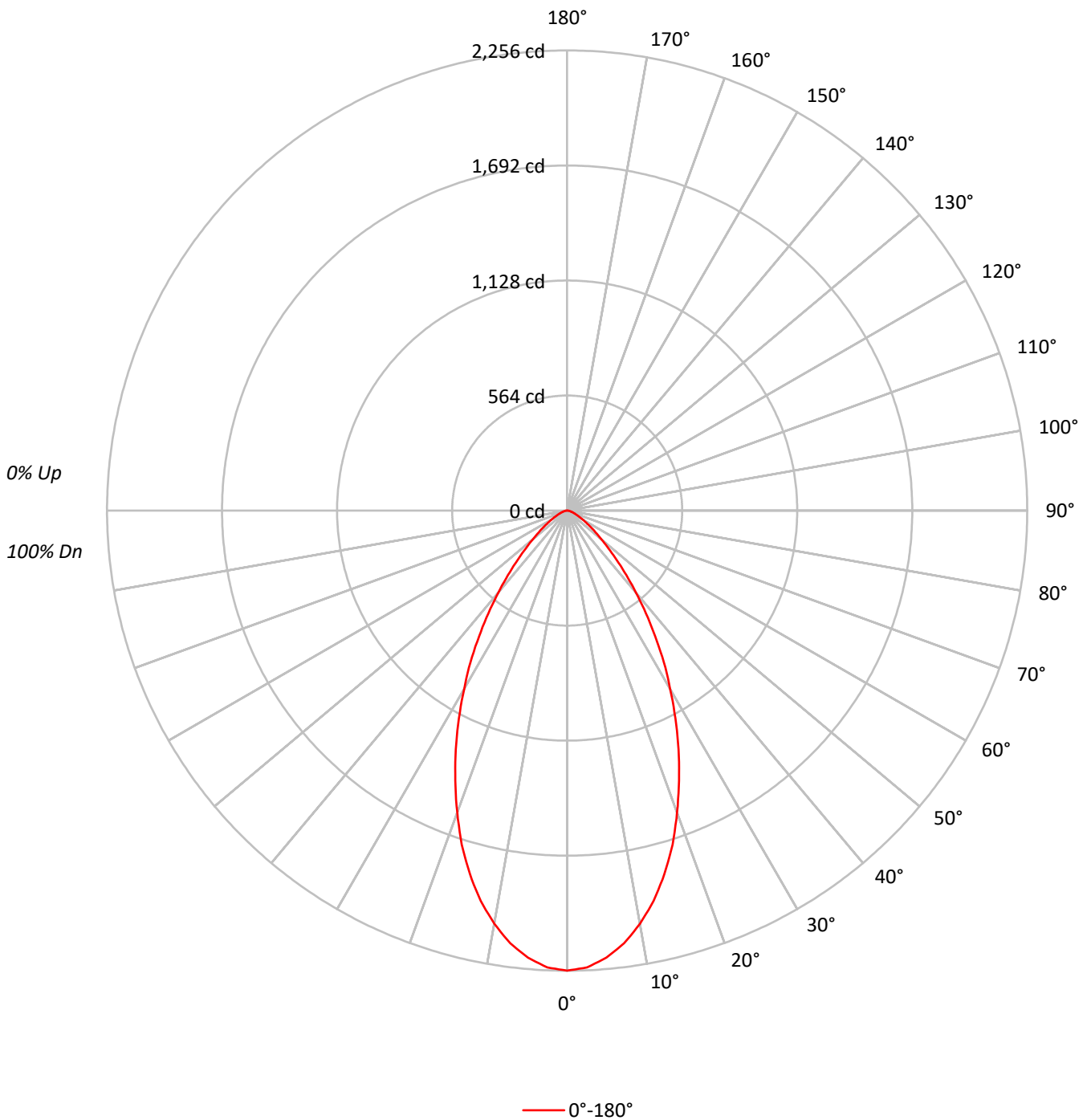
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366192

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8035-F6LBXVM1-WMH-BTR80

Luminous Intensity Polar Plot





TEST NUMBER: P366192

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8035-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°	161498
5°	158162
10°	149528
15°	136662
20°	120064
25°	102049
30°	83489
35°	65715
40°	48969
45°	34722
50°	24506
55°	17602
60°	12602
65°	9149
70°	7118
75°	5810
80°	4948
85°	4929



TEST NUMBER: P366192

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8035-F6LBXVM1-WMH-BTR80

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.5	9.1
10°-20°	513.0	22.6
20°-30°	590.1	26.0
30°-40°	470.9	20.8
40°-50°	271.4	12.0
50°-60°	129.4	5.7
60°-70°	56.0	2.5
70°-80°	22.9	1.0
80°-90°	6.8	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°	1308.6	57.7
0°-40°	1779.5	78.5
0°-60°	2180.3	96.2
0°-90°	2266.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2266.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2256	
5°	2200	206
15°	1844	513
25°	1292	590
35°	752	471
45°	343	271
55°	141	129
65°	54	56
75°	21	23
85°	6	7
90°	0	



TEST NUMBER: P366192

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8035-F6LBXVM1-WMH-BTR80

CANDELA DISTRIBUTION (FULL):

	0°
0°	2255.5
2.5°	2241.5
5°	2200.5
7.5°	2139.5
10°	2056.6
12.5°	1959.6
15°	1843.6
17.5°	1717.6
20°	1575.7
22.5°	1432.7
25°	1291.7
27.5°	1148.8
30°	1009.8
32.5°	882.8
35°	751.8
37.5°	634.9
40°	523.9
42.5°	428.9
45°	342.9
47.5°	274.9
50°	220.0
52.5°	176.0
55°	141.0
57.5°	111.0
60°	88.0
62.5°	69.0
65°	54.0
67.5°	43.0
70°	34.0
72.5°	27.0
75°	21.0
77.5°	16.0
80°	12.0
82.5°	9.0
85°	6.0
87.5°	4.0
90°	0.0

(END OF REPORT)