

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: P364720

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-LI-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364720
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)
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-LI-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2106.0 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

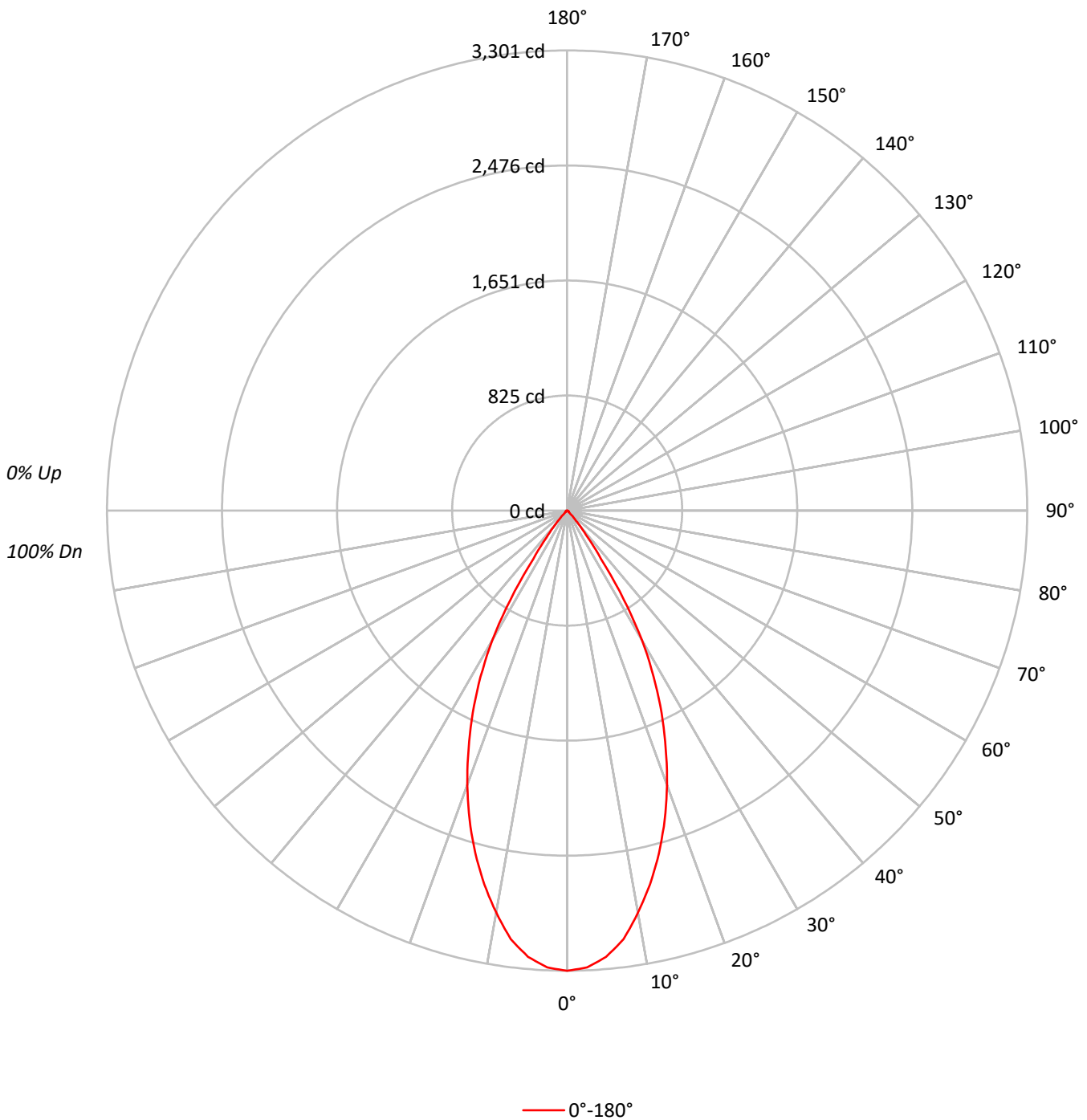
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P364720

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-LI-BTR85

Luminous Intensity Polar Plot





TEST NUMBER: P364720

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-LI-BTR85

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	109	104	100	97	107	102	99	96	99	96	94		96	94	92		94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87		92	89	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77		83	79	76		81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72		79	75	72		78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68		75	71	68		74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65		72	67	64		71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61		68	64	61		68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	236372
5°	230986
10°	212943
15°	188603
20°	159679
25°	126509
30°	88904
35°	37027
40°	12703
45°	3392
50°	1871
55°	1748
60°	1604
65°	1576
70°	1549
75°	1798
80°	2309
85°	3861



TEST NUMBER: P364720

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-LI-BTR85

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.8	14.1
10°-20°	705.8	33.5
20°-30°	724.6	34.4
30°-40°	306.8	14.6
40°-50°	37.7	1.8
50°-60°	12.5	0.6
60°-70°	9.2	0.4
70°-80°	7.1	0.3
80°-90°	4.3	0.2
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°	1728.3	82.1
0°-40°	2035.1	96.6
0°-60°	2085.4	99.0
0°-90°	2106.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2106.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3301	
5°	3214	298
15°	2544	706
25°	1601	725
35°	424	307
45°	34	38
55°	14	12
65°	9	9
75°	6	7
85°	5	4
90°	0	



TEST NUMBER: P364720

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-LI-BTR85

CANDELA DISTRIBUTION (FULL):

	0°
0°	3301.2
2.5°	3279.8
5°	3213.7
7.5°	3100.1
10°	2928.8
12.5°	2746.3
15°	2544.3
17.5°	2327.4
20°	2095.6
22.5°	1848.9
25°	1601.3
27.5°	1345.2
30°	1075.3
32.5°	757.8
35°	423.6
37.5°	243.0
40°	135.9
42.5°	71.7
45°	33.5
47.5°	19.6
50°	16.8
52.5°	14.9
55°	14.0
57.5°	13.0
60°	11.2
62.5°	10.2
65°	9.3
67.5°	8.4
70°	7.4
72.5°	7.4
75°	6.5
77.5°	6.5
80°	5.6
82.5°	5.6
85°	4.7
87.5°	2.8
90°	0.0

(END OF REPORT)