

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: P365028

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-LI-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365028
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: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-LI-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4513.0 lumens
Efficiency: N/A
Efficacy: 77.7 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

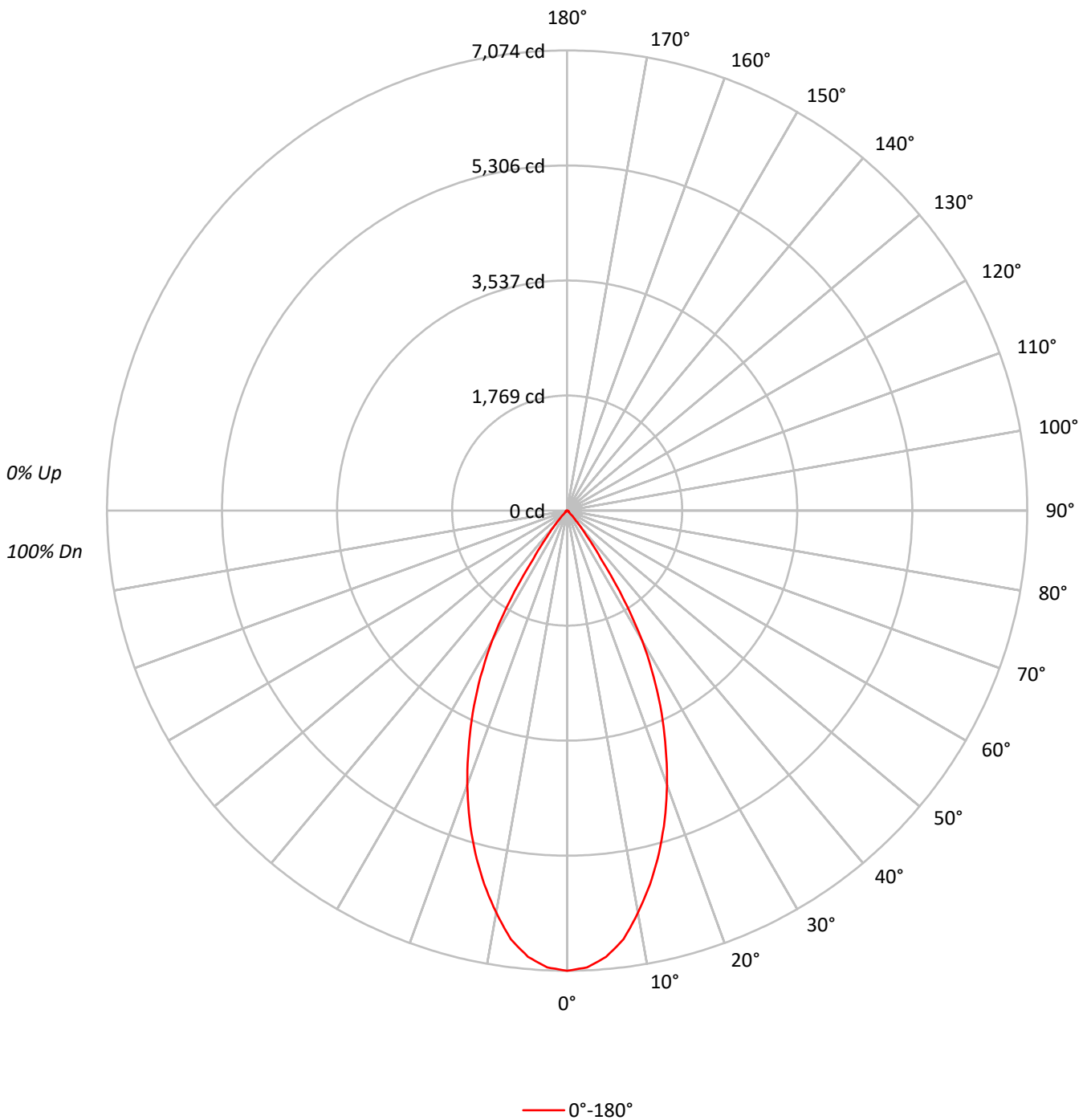
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365028

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-LI-BTR87

Luminous Intensity Polar Plot





TEST NUMBER: P365028

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-LI-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	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°	506526
5°	494984
10°	456320
15°	404166
20°	342178
25°	271094
30°	190508
35°	79342
40°	27228
45°	7270
50°	3999
55°	3733
60°	3423
65°	3372
70°	3350
75°	3873
80°	4948
85°	8215



TEST NUMBER: P365028

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-LI-BTR87

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	638.2	14.1
10°-20°	1512.6	33.5
20°-30°	1552.8	34.4
30°-40°	657.5	14.6
40°-50°	80.8	1.8
50°-60°	26.7	0.6
60°-70°	19.7	0.4
70°-80°	15.3	0.3
80°-90°	9.3	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°	3703.6	82.1
0°-40°	4361.1	96.6
0°-60°	4468.7	99.0
0°-90°	4513.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4513.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7074	
5°	6887	638
15°	5452	1513
25°	3431	1553
35°	908	658
45°	72	81
55°	30	27
65°	20	20
75°	14	15
85°	10	9
90°	0	



TEST NUMBER: P365028

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-LI-BTR87

CANDELA DISTRIBUTION (FULL):

0°	
0°	7074.2
2.5°	7028.3
5°	6886.7
7.5°	6643.3
10°	6276.2
12.5°	5885.2
15°	5452.3
17.5°	4987.5
20°	4490.7
22.5°	3962.0
25°	3431.4
27.5°	2882.8
30°	2304.2
32.5°	1623.9
35°	907.7
37.5°	520.7
40°	291.3
42.5°	153.6
45°	71.8
47.5°	41.9
50°	35.9
52.5°	31.9
55°	29.9
57.5°	27.9
60°	23.9
62.5°	21.9
65°	19.9
67.5°	18.0
70°	16.0
72.5°	16.0
75°	14.0
77.5°	14.0
80°	12.0
82.5°	12.0
85°	10.0
87.5°	6.0
90°	0.0

(END OF REPORT)