

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: P365735

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BL84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-36)
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-MW-BL84
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4691.0 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

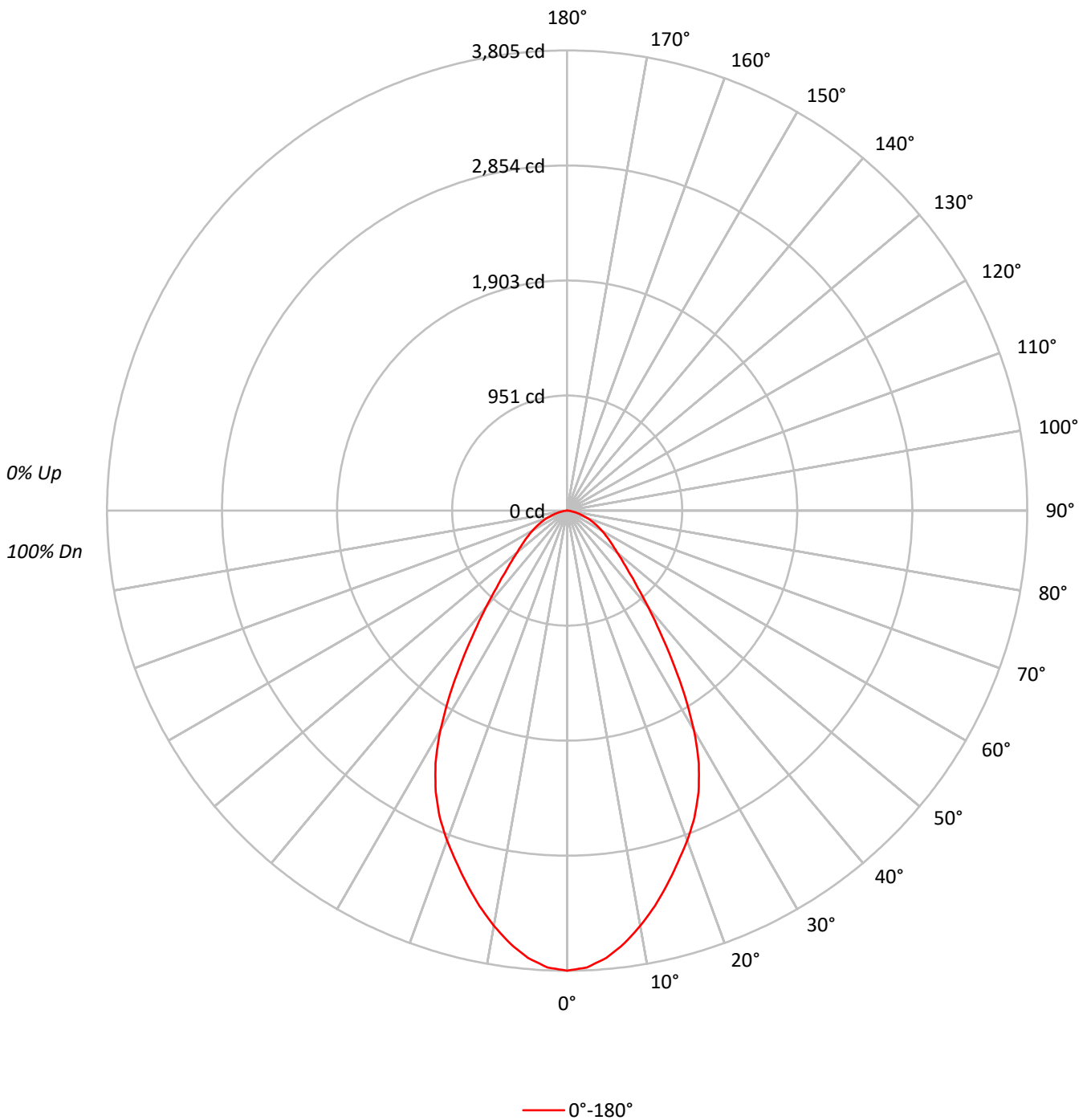
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365735

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BL84

Luminous Intensity Polar Plot





TEST NUMBER: P365735

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BL84

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	112	108	105	102	109	106	103	101	102	100	97		98	96	95		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	103926
5°	101809
10°	96712
15°	90478
20°	84414
25°	77451
30°	66141
35°	50422
40°	37134
45°	28184
50°	22947
55°	20187
60°	18034
65°	15939
70°	13505
75°	10543
80°	7047
85°	3197



TEST NUMBER: P365735

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BL84

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.1	7.4
10°-20°	897.8	19.1
20°-30°	1166.9	24.9
30°-40°	950.8	20.3
40°-50°	577.2	12.3
50°-60°	381.9	8.1
60°-70°	245.0	5.2
70°-80°	108.1	2.3
80°-90°	16.1	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°	2411.9	51.4
0°-40°	3362.7	71.7
0°-60°	4321.8	92.1
0°-90°	4691.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4691.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3805	
5°	3713	347
15°	3200	898
25°	2570	1167
35°	1512	951
45°	730	577
55°	424	382
65°	247	245
75°	100	108
85°	10	16
90°	0	



TEST NUMBER: P365735

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BL84

CANDELA DISTRIBUTION (FULL):

0°	
0°	3804.7
2.5°	3780.3
5°	3713.0
7.5°	3611.1
10°	3486.8
12.5°	3348.3
15°	3199.5
17.5°	3046.6
20°	2904.0
22.5°	2749.1
25°	2569.8
27.5°	2357.8
30°	2097.0
32.5°	1803.5
35°	1512.1
37.5°	1253.3
40°	1041.4
42.5°	864.1
45°	729.6
47.5°	623.6
50°	540.0
52.5°	476.9
55°	423.9
57.5°	375.0
60°	330.1
62.5°	287.3
65°	246.6
67.5°	207.9
70°	169.1
72.5°	132.5
75°	99.9
77.5°	71.3
80°	44.8
82.5°	24.5
85°	10.2
87.5°	2.0
90°	0.0

(END OF REPORT)