

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: P366330

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-47)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4273.0 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

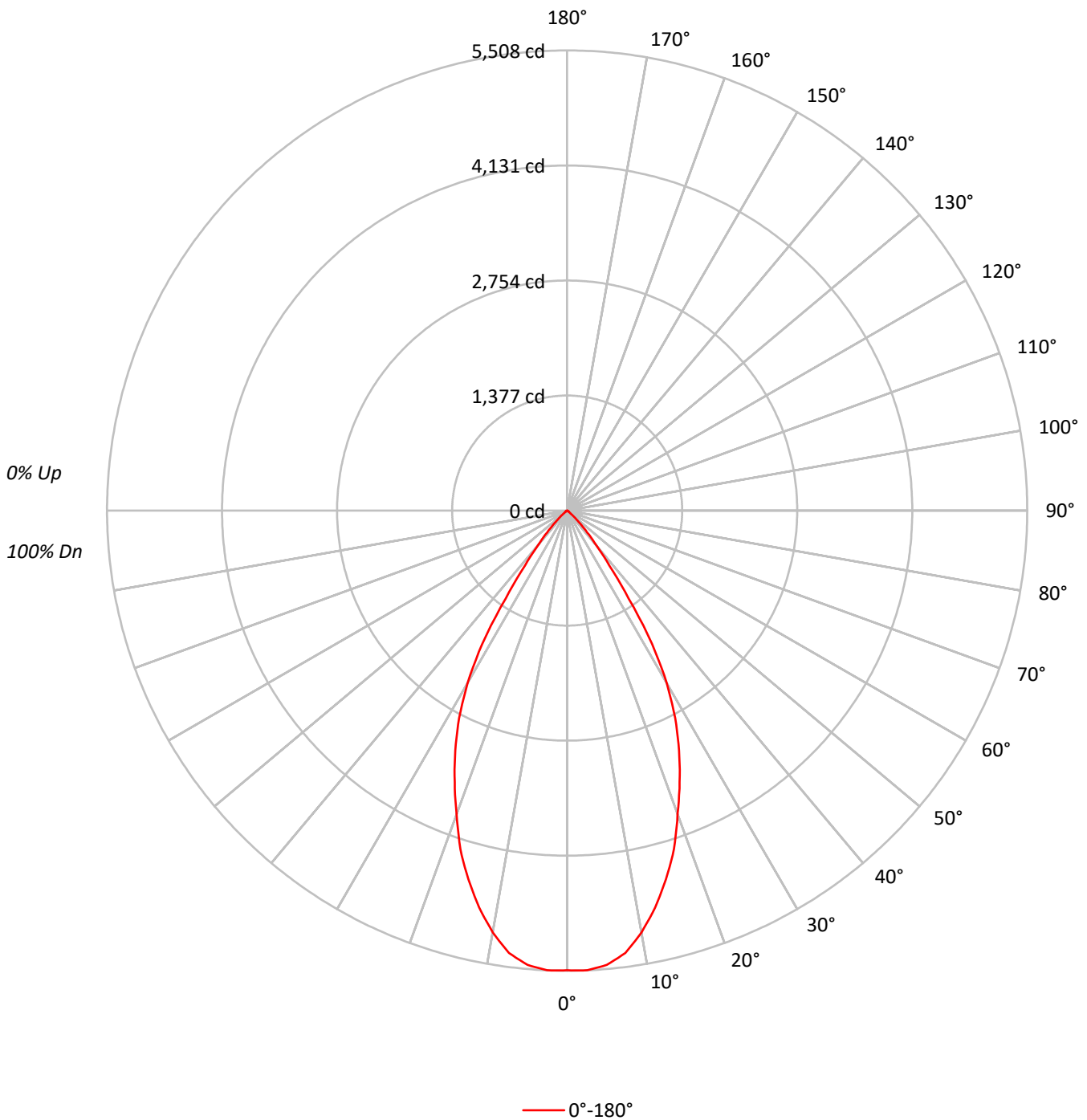
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366330

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH-BL85

Luminous Intensity Polar Plot





TEST NUMBER: P366330

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH-BL85

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	106	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86		91	88	85		88	86	84	82
4	98	91	86	82	96	90	85	81	88	83	80		86	82	79		84	81	78	77
5	93	85	80	76	92	85	79	75	83	78	75		81	77	74		80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		76	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65		73	68	65		72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62		69	65	61		68	64	61	60
9	77	68	62	58	76	67	62	58	66	62	58		66	61	58		65	61	58	56
10	74	64	59	55	73	64	59	55	63	58	55		62	58	55		62	58	55	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	150321
5°	149689
10°	142195
15°	129164
20°	112395
25°	95556
30°	75168
35°	42886
40°	19298
45°	8124
50°	2562
55°	776
60°	535
65°	420
70°	391
75°	517
80°	252
85°	501



TEST NUMBER: P366330

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH-BL85

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	510.6	12.0
10°-20°	1270.5	29.7
20°-30°	1439.8	33.7
30°-40°	834.6	19.5
40°-50°	185.1	4.3
50°-60°	20.3	0.5
60°-70°	6.7	0.2
70°-80°	4.3	0.1
80°-90°	1.1	0.0
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°	3220.9	75.4
0°-40°	4055.6	94.9
0°-60°	4261.0	99.7
0°-90°	4273.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4273.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5503	
5°	5459	511
15°	4568	1271
25°	3170	1440
35°	1286	835
45°	210	185
55°	16	20
65°	6	7
75°	5	4
85°	2	1
90°	0	



TEST NUMBER: P366330

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH-BL85

CANDELA DISTRIBUTION (FULL):

0°	
0°	5503.2
2.5°	5508.1
5°	5459.2
7.5°	5340.2
10°	5126.6
12.5°	4867.5
15°	4567.5
17.5°	4251.3
20°	3866.6
22.5°	3519.4
25°	3170.5
27.5°	2798.9
30°	2383.2
32.5°	1892.5
35°	1286.1
37.5°	826.5
40°	541.2
42.5°	353.7
45°	210.3
47.5°	117.4
50°	60.3
52.5°	27.7
55°	16.3
57.5°	13.0
60°	9.8
62.5°	8.2
65°	6.5
67.5°	4.9
70°	4.9
72.5°	4.9
75°	4.9
77.5°	3.3
80°	1.6
82.5°	1.6
85°	1.6
87.5°	0.0
90°	0.0

(END OF REPORT)