

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: P366364

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366364
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-WMH
Description: VANDAL RESISTANT OPEN, WARM HAZE REFLECTOR, 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4890.9 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.84
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

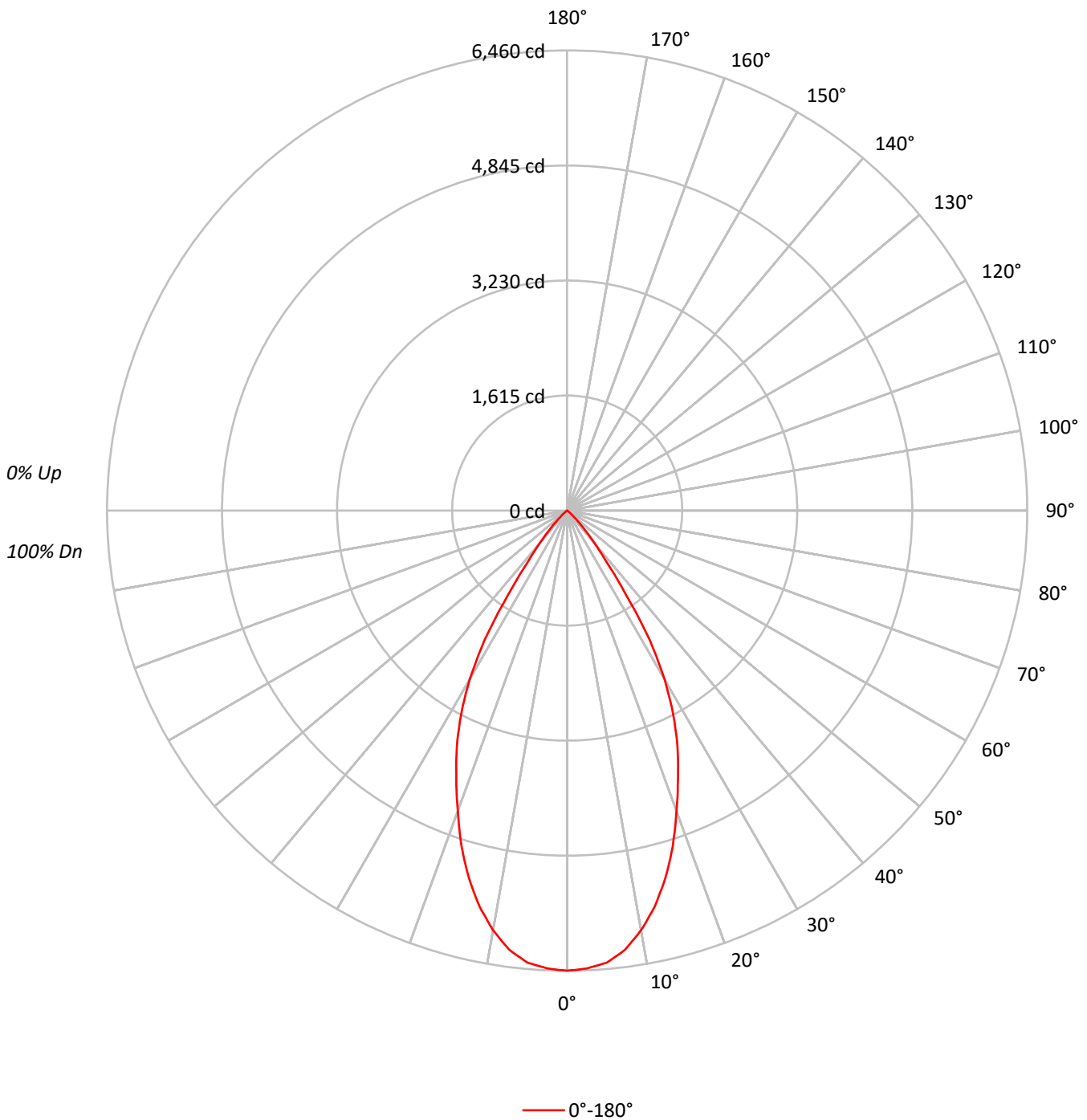
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366364

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-WMH

Luminous Intensity Polar Plot





TEST NUMBER: P366364

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-WMH

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	106	102	99	96	99	96	94		96	94	92		93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89	86	84	82
4	98	91	86	82	97	90	85	82	88	84	81		86	83	80		84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80	77	74	72
6	89	81	75	71	88	80	75	71	79	74	70		77	73	70		76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66		73	69	66		72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62		70	65	62		69	65	62	60
9	78	68	63	59	77	68	62	59	67	62	59		66	62	58		65	61	58	57
10	74	65	59	56	73	64	59	56	64	59	55		63	58	55		62	58	55	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	176446
5°	174682
10°	165934
15°	150848
20°	130499
25°	110514
30°	86255
35°	48018
40°	21038
45°	8456
50°	2324
55°	410
60°	279
65°	220
70°	136
75°	179
80°	0
85°	0



TEST NUMBER: P366364

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	595.6	12.2
10°-20°	1480.1	30.3
20°-30°	1662.6	34.0
30°-40°	940.7	19.2
40°-50°	193.9	4.0
50°-60°	14.0	0.3
60°-70°	2.9	0.1
70°-80°	1.1	0.0
80°-90°	0.0	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°	3738.3	76.4
0°-40°	4678.9	95.7
0°-60°	4886.9	99.9
0°-90°	4890.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4890.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6460	
5°	6371	596
15°	5334	1480
25°	3667	1663
35°	1440	941
45°	219	194
55°	9	14
65°	3	3
75°	2	1
85°	0	0
90°	0	



TEST NUMBER: P366364

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	6459.6
2.5°	6432.3
5°	6370.7
7.5°	6218.5
10°	5982.5
12.5°	5688.3
15°	5334.3
17.5°	4932.4
20°	4489.4
22.5°	4065.3
25°	3666.8
27.5°	3225.5
30°	2734.7
32.5°	2163.5
35°	1440.0
37.5°	903.0
40°	590.0
42.5°	372.8
45°	218.9
47.5°	116.3
50°	54.7
52.5°	18.8
55°	8.6
57.5°	6.8
60°	5.1
62.5°	3.4
65°	3.4
67.5°	1.7
70°	1.7
72.5°	1.7
75°	1.7
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)