

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: P366400

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366400
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-FEU6B35-8040-F6LBXVM1-WMH
Description: VANDAL RESISTANT OPEN, WARM HAZE REFLECTOR, 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5042.0 lumens
Efficiency: N/A
Efficacy: 91.5 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

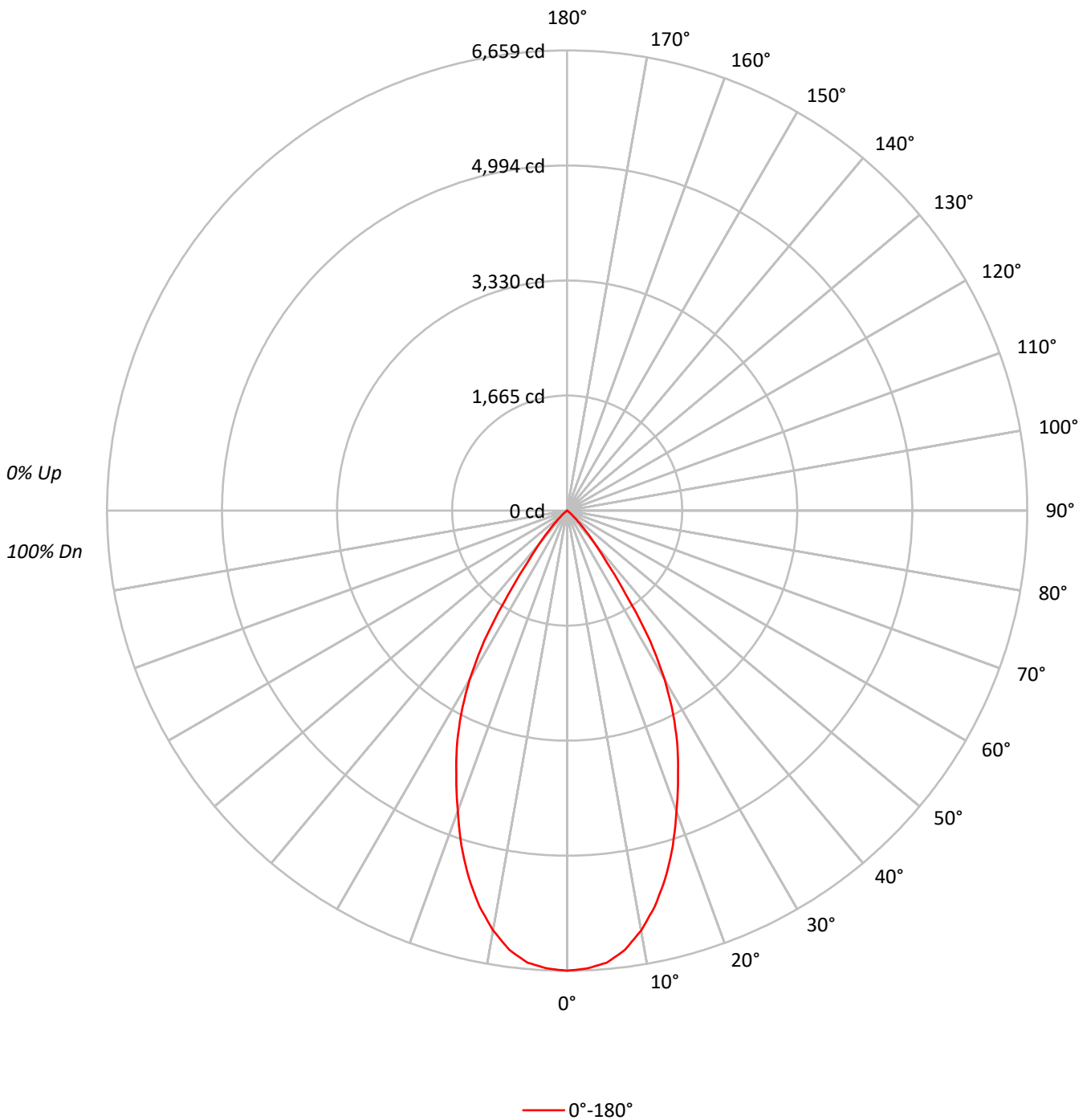
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366400

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-WMH

Luminous Intensity Polar Plot





TEST NUMBER: P366400

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-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°	181895
5°	180076
10°	171057
15°	155505
20°	134528
25°	113926
30°	88917
35°	49502
40°	21690
45°	8719
50°	2397
55°	419
60°	290
65°	226
70°	144
75°	190
80°	0
85°	0



TEST NUMBER: P366400

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	614.0	12.2
10°-20°	1525.8	30.3
20°-30°	1713.9	34.0
30°-40°	969.7	19.2
40°-50°	199.9	4.0
50°-60°	14.5	0.3
60°-70°	3.0	0.1
70°-80°	1.2	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°	3853.7	76.4
0°-40°	4823.4	95.7
0°-60°	5037.8	99.9
0°-90°	5042.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5042.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6659	
5°	6567	614
15°	5499	1526
25°	3780	1714
35°	1484	970
45°	226	200
55°	9	14
65°	4	3
75°	2	1
85°	0	0
90°	0	



TEST NUMBER: P366400

CATALOG NUMBER: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	6659.1
2.5°	6630.9
5°	6567.4
7.5°	6410.5
10°	6167.2
12.5°	5863.9
15°	5499.0
17.5°	5084.7
20°	4628.0
22.5°	4190.8
25°	3780.0
27.5°	3325.1
30°	2819.1
32.5°	2230.3
35°	1484.5
37.5°	930.9
40°	608.3
42.5°	384.3
45°	225.7
47.5°	119.9
50°	56.4
52.5°	19.4
55°	8.8
57.5°	7.1
60°	5.3
62.5°	3.5
65°	3.5
67.5°	1.8
70°	1.8
72.5°	1.8
75°	1.8
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)