

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: P366261

Luminaire Tested: **FLD6BX40D010-FEU6B35-8030-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366261
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-48)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-WMH-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1536.0 lumens
Efficiency: N/A
Efficacy: 37.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

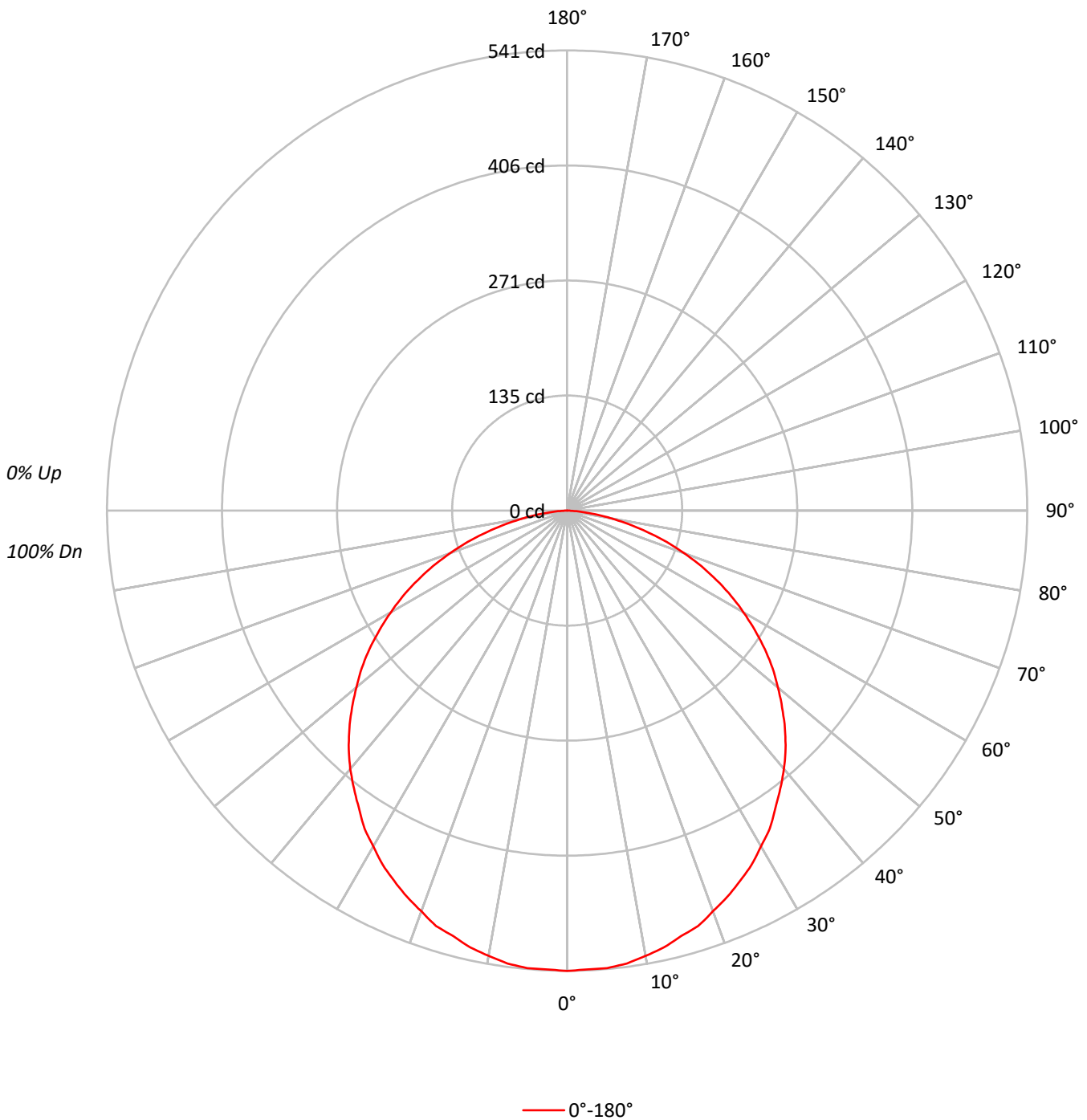
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P366261

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-WMH-BL89AM

Luminous Intensity Polar Plot





TEST NUMBER: P366261

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-WMH-BL89AM

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	109	104	100	96	106	102	98	95	98	94	92		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75		82	78	74		79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63		72	67	62		70	65	61	59
4	83	70	62	55	80	69	61	55	67	59	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46		58	51	46		56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36		47	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29		40	33	29		39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	14783
5°	14804
10°	14745
15°	14643
20°	14572
25°	14488
30°	14380
35°	14235
40°	14142
45°	13992
50°	13751
55°	13511
60°	13089
65°	12552
70°	11660
75°	10322
80°	8227
85°	4732



TEST NUMBER: P366261

CATALOG NUMBER: FLD6BX40D010-FEUG6B35-8030-F6LBXVM1-WMH-BL89AM

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.3	3.3
10°-20°	146.5	9.5
20°-30°	221.6	14.4
30°-40°	267.6	17.4
40°-50°	279.0	18.2
50°-60°	253.0	16.5
60°-70°	191.8	12.5
70°-80°	103.8	6.8
80°-90°	21.3	1.4
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°	419.4	27.3
0°-40°	686.9	44.7
0°-60°	1219.0	79.4
0°-90°	1536.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1536.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	541	
5°	540	51
15°	518	146
25°	481	222
35°	427	268
45°	362	279
55°	284	253
65°	194	192
75°	98	104
85°	15	21
90°	0	



TEST NUMBER: P366261

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8030-F6LBXVM1-WMH-BL89AM

CANDELA DISTRIBUTION (FULL):

	0°
0°	541.2
2.5°	539.9
5°	539.9
7.5°	537.1
10°	531.6
12.5°	526.1
15°	517.8
17.5°	512.3
20°	501.3
22.5°	491.7
25°	480.7
27.5°	469.6
30°	455.9
32.5°	443.5
35°	426.9
37.5°	411.8
40°	396.6
42.5°	380.1
45°	362.2
47.5°	342.9
50°	323.6
52.5°	304.4
55°	283.7
57.5°	261.7
60°	239.6
62.5°	217.6
65°	194.2
67.5°	170.8
70°	146.0
72.5°	122.6
75°	97.8
77.5°	74.4
80°	52.3
82.5°	33.1
85°	15.1
87.5°	4.1
90°	0.0

(END OF REPORT)