

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: P365525

Luminaire Tested: **FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365525
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-35)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2375.0 lumens
Efficiency: N/A
Efficacy: 58.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

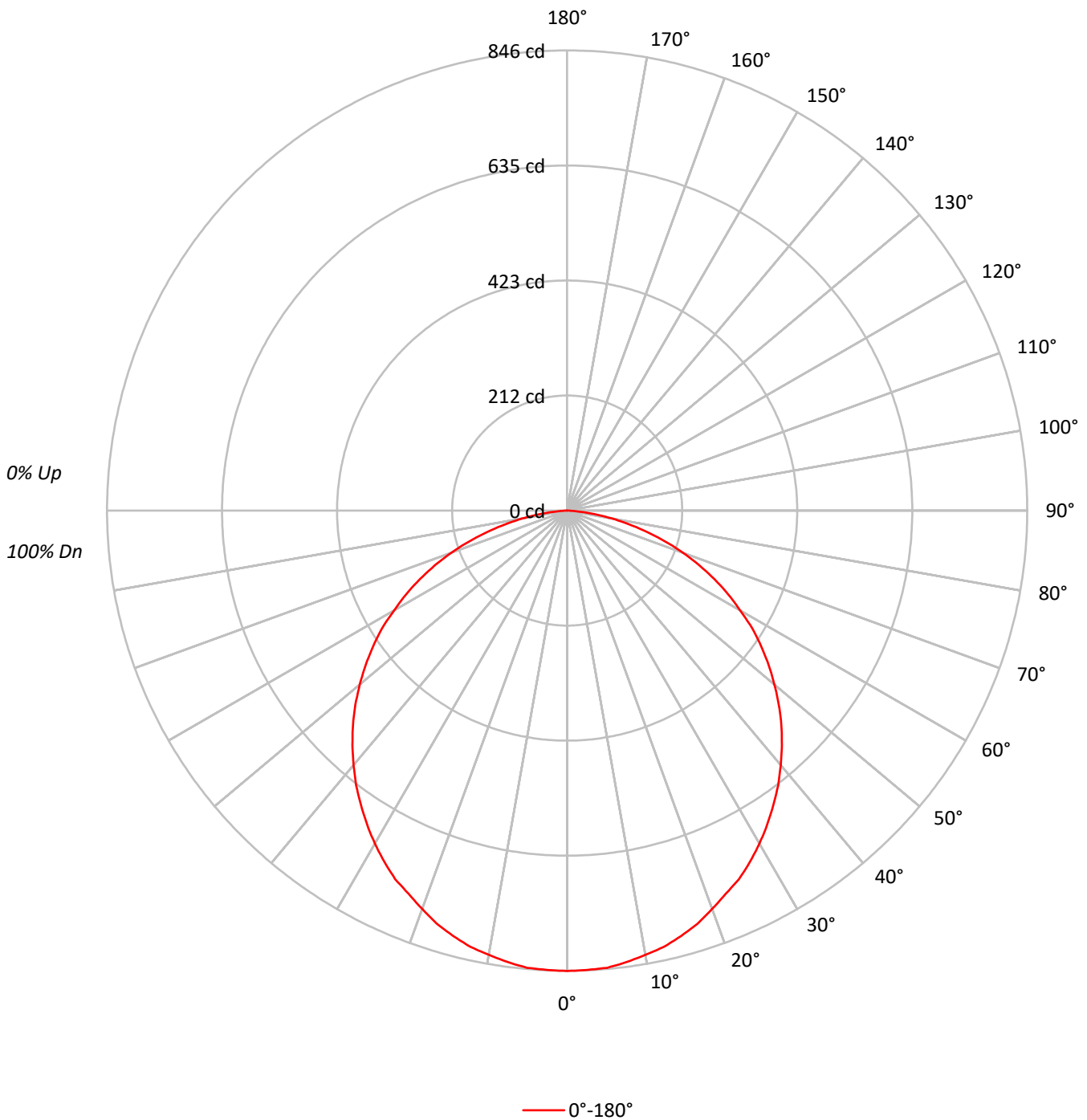
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365525

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BL89BW

Luminous Intensity Polar Plot





TEST NUMBER: P365525

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BL89BW

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	71	62	55	80	69	61	55	67	60	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47		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	43	36	63	51	42	36	49	41	36		48	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		44	37	32		42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29		40	34	29		39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	23122
5°	23137
10°	23005
15°	22895
20°	22653
25°	22535
30°	22296
35°	22038
40°	21780
45°	21513
50°	21146
55°	20749
60°	20066
65°	19312
70°	18081
75°	16116
80°	13040
85°	7835



TEST NUMBER: P365525

CATALOG NUMBER: FLD6BX40D010-FEUG6B35-8027-F6LBXVM1-MW-BL89BW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.0	3.4
10°-20°	228.3	9.6
20°-30°	344.0	14.5
30°-40°	413.7	17.4
40°-50°	429.3	18.1
50°-60°	389.1	16.4
60°-70°	295.2	12.4
70°-80°	161.5	6.8
80°-90°	33.8	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°	652.3	27.5
0°-40°	1066.0	44.9
0°-60°	1884.4	79.3
0°-90°	2375.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2375.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	846	
5°	844	80
15°	810	228
25°	748	344
35°	661	414
45°	557	429
55°	436	389
65°	299	295
75°	153	161
85°	25	34
90°	0	



TEST NUMBER: P365525

CATALOG NUMBER: FLD6BX40D010-FEU6B35-8027-F6LBXVM1-MW-BL89BW

CANDELA DISTRIBUTION (FULL):

	0°
0°	846.5
2.5°	845.2
5°	843.8
7.5°	837.3
10°	829.4
12.5°	821.5
15°	809.6
17.5°	796.5
20°	779.3
22.5°	762.2
25°	747.7
27.5°	728.0
30°	706.9
32.5°	684.6
35°	660.9
37.5°	637.2
40°	610.8
42.5°	584.5
45°	556.9
47.5°	527.9
50°	497.6
52.5°	467.3
55°	435.7
57.5°	404.2
60°	367.3
62.5°	334.4
65°	298.8
67.5°	263.3
70°	226.4
72.5°	189.6
75°	152.7
77.5°	115.8
80°	82.9
82.5°	51.3
85°	25.0
87.5°	6.6
90°	0.0

(END OF REPORT)