

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: P364769

Luminaire Tested: **FLD6BX30D010-FEU6B35-8040-F6LBXVM1-LI-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-42)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-LI-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2084.0 lumens
Efficiency: N/A
Efficacy: 77.2 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

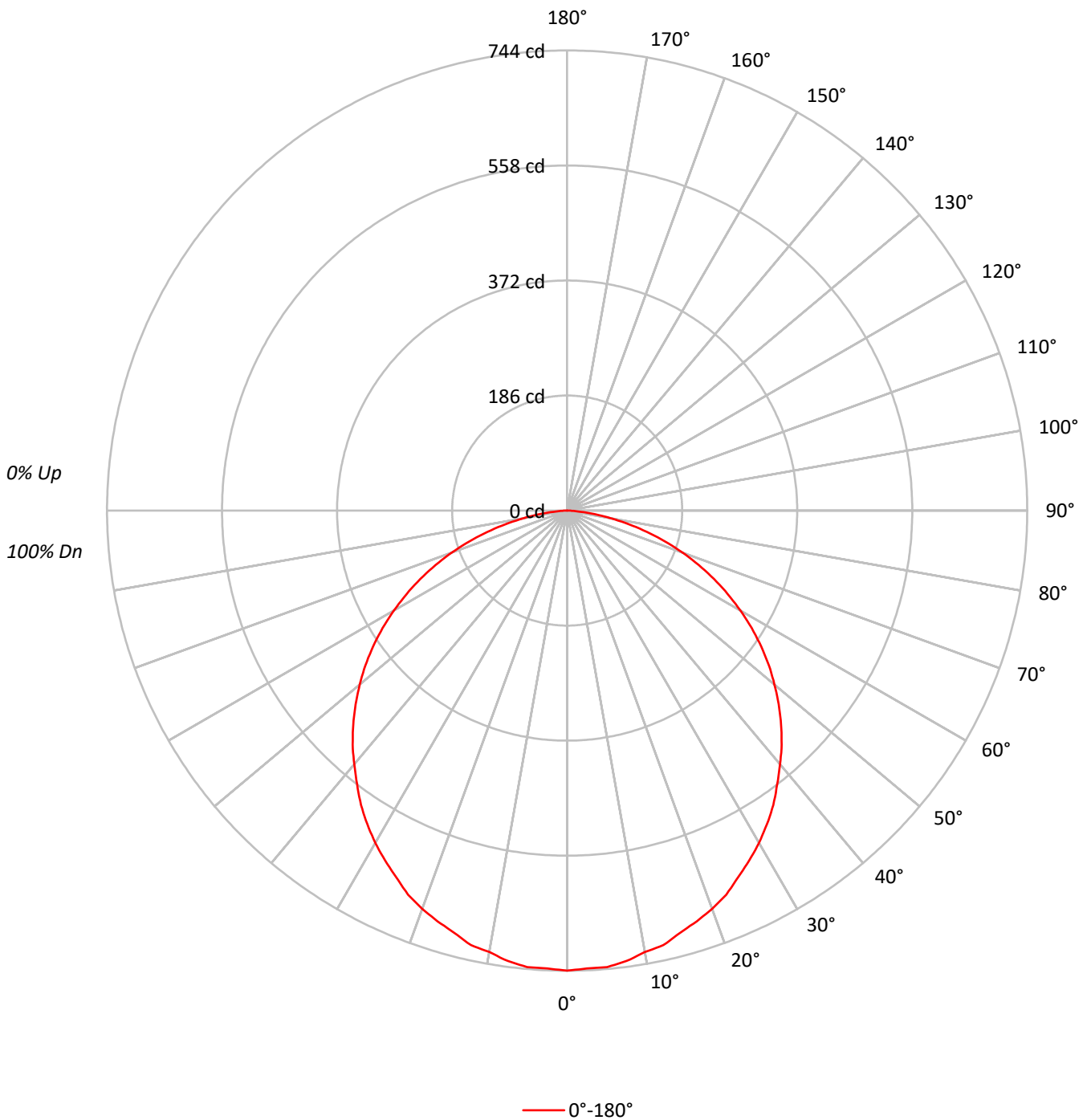
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P364769

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-LI-BL89BW

Luminous Intensity Polar Plot





TEST NUMBER: P364769

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-LI-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	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	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	34	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°	20317
5°	20312
10°	20098
15°	19976
20°	19918
25°	19708
30°	19571
35°	19377
40°	19098
45°	18898
50°	18596
55°	18239
60°	17668
65°	16921
70°	15821
75°	14079
80°	11294
85°	6958



TEST NUMBER: P364769

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-LI-BL89BW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	3.4
10°-20°	199.7	9.6
20°-30°	301.9	14.5
30°-40°	363.0	17.4
40°-50°	377.1	18.1
50°-60°	341.8	16.4
60°-70°	258.8	12.4
70°-80°	141.3	6.8
80°-90°	30.1	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°	571.8	27.4
0°-40°	934.8	44.9
0°-60°	1653.8	79.4
0°-90°	2084.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2084.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	744	
5°	741	70
15°	706	200
25°	654	302
35°	581	363
45°	489	377
55°	383	342
65°	262	259
75°	133	141
85°	22	30
90°	0	



TEST NUMBER: P364769

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8040-F6LBXVM1-LI-BL89BW

CANDELA DISTRIBUTION (FULL):

0°	
0°	743.8
2.5°	740.8
5°	740.8
7.5°	734.7
10°	724.6
12.5°	719.6
15°	706.4
17.5°	696.3
20°	685.2
22.5°	672.1
25°	653.9
27.5°	637.7
30°	620.5
32.5°	601.3
35°	581.1
37.5°	557.9
40°	535.6
42.5°	513.4
45°	489.2
47.5°	463.9
50°	437.6
52.5°	411.3
55°	383.0
57.5°	353.7
60°	323.4
62.5°	293.1
65°	261.8
67.5°	230.4
70°	198.1
72.5°	165.7
75°	133.4
77.5°	102.1
80°	71.8
82.5°	45.5
85°	22.2
87.5°	7.1
90°	0.0

(END OF REPORT)