

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: P365471

Luminaire Tested: **FLD6BX30D010-FEU6B35-8035-F6LBXVM1-MW-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365471
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: FLD6BX30D010-FEU6B35-8035-F6LBXVM1-MW-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1803.0 lumens
Efficiency: N/A
Efficacy: 66.8 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

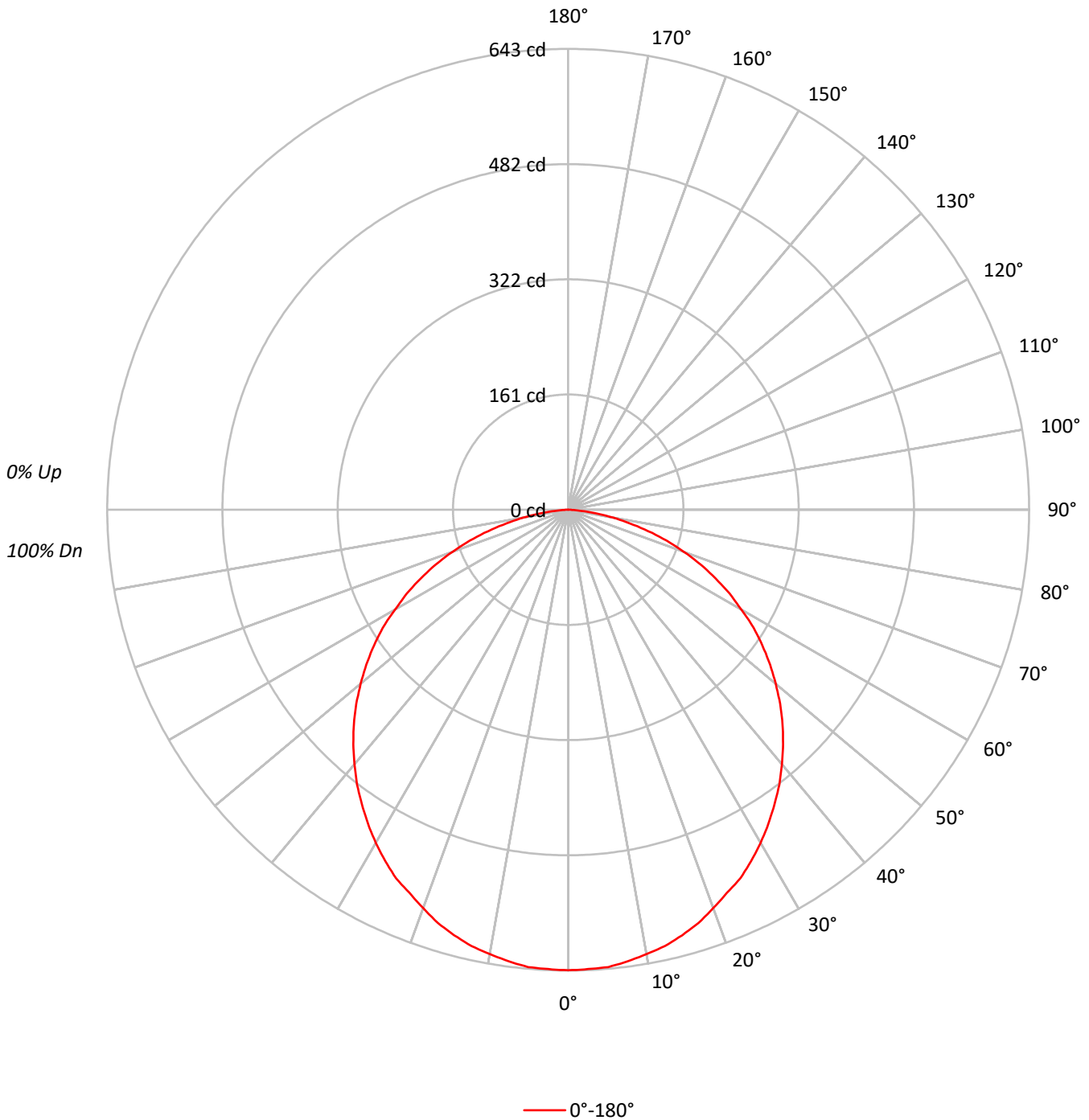
Input Watts (W): 27
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	17553
5°	17565
10°	17463
15°	17380
20°	17197
25°	17110
30°	16928
35°	16730
40°	16534
45°	16329
50°	16055
55°	15754
60°	15231
65°	14665
70°	13729
75°	12232
80°	9910
85°	5955



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.8	3.4
10°-20°	173.3	9.6
20°-30°	261.2	14.5
30°-40°	314.0	17.4
40°-50°	325.9	18.1
50°-60°	295.4	16.4
60°-70°	224.1	12.4
70°-80°	122.6	6.8
80°-90°	25.7	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°	495.2	27.5
0°-40°	809.3	44.9
0°-60°	1430.6	79.3
0°-90°	1803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1803.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	643	
5°	641	61
15°	615	173
25°	568	261
35°	502	314
45°	423	326
55°	331	295
65°	227	224
75°	116	123
85°	19	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	642.6
2.5°	641.6
5°	640.6
7.5°	635.6
10°	629.6
12.5°	623.6
15°	614.6
17.5°	604.6
20°	591.6
22.5°	578.7
25°	567.7
27.5°	552.7
30°	536.7
32.5°	519.7
35°	501.7
37.5°	483.7
40°	463.7
42.5°	443.7
45°	422.7
47.5°	400.8
50°	377.8
52.5°	354.8
55°	330.8
57.5°	306.8
60°	278.8
62.5°	253.8
65°	226.9
67.5°	199.9
70°	171.9
72.5°	143.9
75°	115.9
77.5°	87.9
80°	63.0
82.5°	39.0
85°	19.0
87.5°	5.0
90°	0.0

(END OF REPORT)