

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: P364710

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-LI-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364710
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-43)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX30D010-FEU6B35-8027-F6LBXVM1-LI-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2479.0 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.82
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

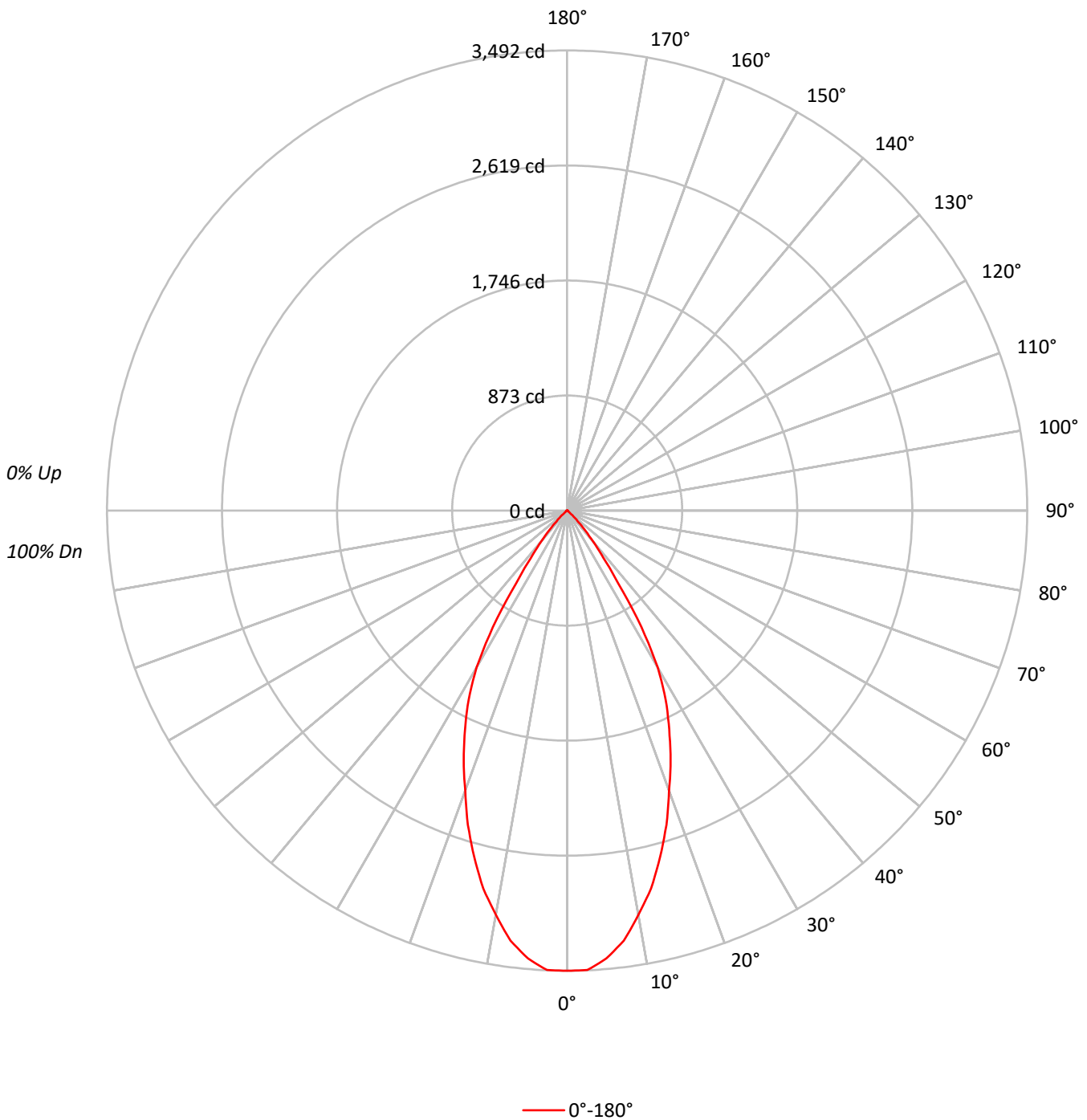
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	83
4	99	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	73
6	90	81	75	71	88	80	75	71	79	74	71	77	73	70	76	73	70	68
7	85	77	71	67	84	76	71	67	75	70	66	74	69	66	72	69	66	64
8	82	72	67	63	80	72	67	63	71	66	63	70	65	62	69	65	62	61
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57
10	74	65	60	56	74	65	60	56	64	59	56	63	59	56	63	58	56	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	95377
5°	93564
10°	86405
15°	76995
20°	65755
25°	55224
30°	43353
35°	22465
40°	10729
45°	4222
50°	1113
55°	310
60°	202
65°	181
70°	152
75°	201
80°	142
85°	282



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.4	12.8
10°-20°	756.7	30.5
20°-30°	835.5	33.7
30°-40°	459.7	18.5
40°-50°	97.2	3.9
50°-60°	8.2	0.3
60°-70°	2.5	0.1
70°-80°	1.8	0.1
80°-90°	0.9	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°	1908.6	77.0
0°-40°	2368.3	95.5
0°-60°	2473.7	99.8
0°-90°	2479.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2479.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3492	
5°	3412	316
15°	2723	757
25°	1832	835
35°	674	460
45°	109	97
55°	6	8
65°	3	3
75°	2	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3491.7
2.5°	3489.9
5°	3412.3
7.5°	3292.7
10°	3115.2
12.5°	2938.6
15°	2722.7
17.5°	2503.2
20°	2262.1
22.5°	2050.9
25°	1832.3
27.5°	1621.1
30°	1374.5
32.5°	1049.3
35°	673.7
37.5°	454.1
40°	300.9
42.5°	187.8
45°	109.3
47.5°	56.1
50°	26.2
52.5°	11.2
55°	6.5
57.5°	4.7
60°	3.7
62.5°	2.8
65°	2.8
67.5°	1.9
70°	1.9
72.5°	2.8
75°	1.9
77.5°	0.9
80°	0.9
82.5°	0.9
85°	0.9
87.5°	0.9
90°	0.0

(END OF REPORT)