

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: P364764

Luminaire Tested: **FLD6BX30D010-FEU6B35-8040-F6LBXVM1-LI-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364764
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-FEU6B35-8040-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: 2671.9 lumens
Efficiency: N/A
Efficacy: 99.0 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

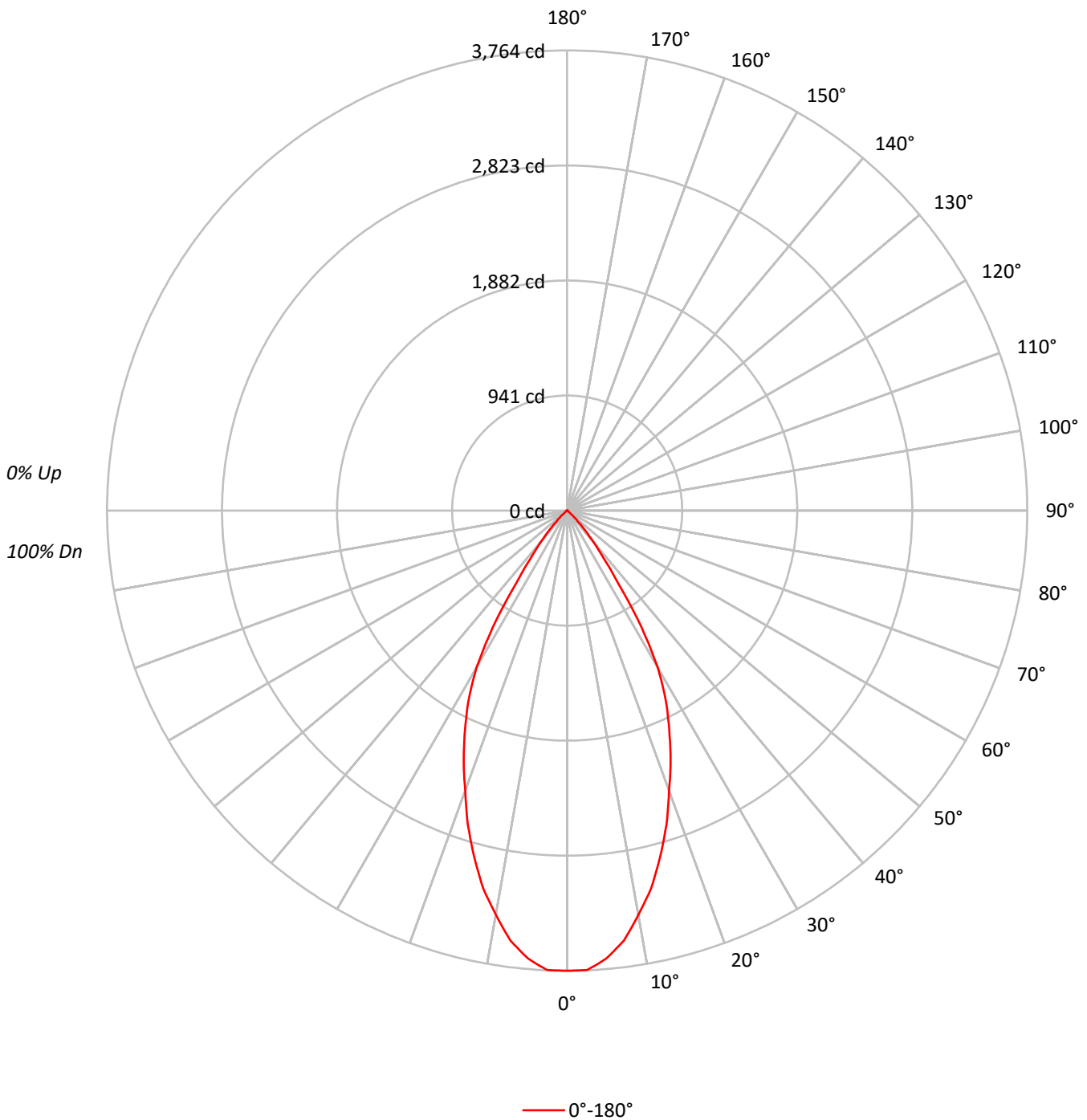
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	102804
5°	100849
10°	93131
15°	82990
20°	70874
25°	59522
30°	46728
35°	24212
40°	11564
45°	4551
50°	1198
55°	333
60°	219
65°	194
70°	160
75°	211
80°	157
85°	313



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.1	12.8
10°-20°	815.6	30.5
20°-30°	900.5	33.7
30°-40°	495.5	18.5
40°-50°	104.7	3.9
50°-60°	8.8	0.3
60°-70°	2.7	0.1
70°-80°	2.0	0.1
80°-90°	1.0	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°	2057.2	77.0
0°-40°	2552.7	95.5
0°-60°	2666.3	99.8
0°-90°	2671.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2671.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3764	
5°	3678	341
15°	2935	816
25°	1975	901
35°	726	496
45°	118	105
55°	7	9
65°	3	3
75°	2	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3763.6
2.5°	3761.6
5°	3678.0
7.5°	3549.1
10°	3357.7
12.5°	3167.4
15°	2934.7
17.5°	2698.0
20°	2438.2
22.5°	2210.6
25°	1974.9
27.5°	1747.3
30°	1481.5
32.5°	1131.0
35°	726.1
37.5°	489.5
40°	324.3
42.5°	202.4
45°	117.8
47.5°	60.4
50°	28.2
52.5°	12.1
55°	7.0
57.5°	5.0
60°	4.0
62.5°	3.0
65°	3.0
67.5°	2.0
70°	2.0
72.5°	3.0
75°	2.0
77.5°	1.0
80°	1.0
82.5°	1.0
85°	1.0
87.5°	1.0
90°	0.0

(END OF REPORT)