

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: P364793

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-LI-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX30D010-FEU6B35-8050-F6LBXVM1-LI-BTR86
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.250", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2252.1 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

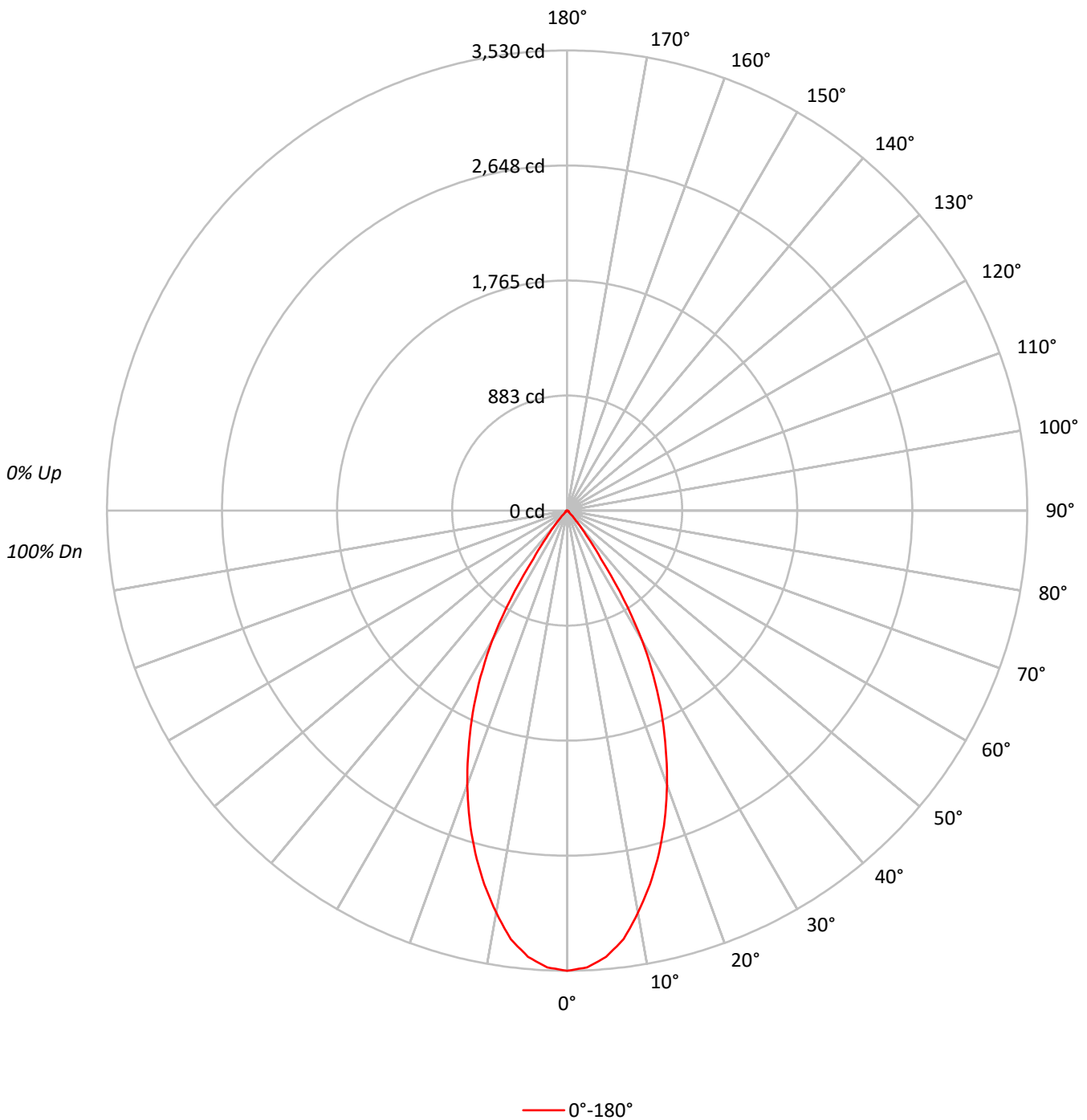
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P364793

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8050-F6LBXVM1-LI-BTR86

Luminous Intensity Polar Plot





TEST NUMBER: P364793

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8050-F6LBXVM1-LI-BTR86

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	107	102	99	96	99	96	94		96	94	92		94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87		92	89	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77		83	79	76		81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72		79	75	72		78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68		75	71	68		74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65		72	67	64		71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61		68	64	61		68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	252762
5°	247000
10°	227709
15°	201679
20°	170750
25°	135278
30°	95064
35°	39597
40°	13581
45°	3625
50°	1994
55°	1860
60°	1704
65°	1694
70°	1675
75°	1937
80°	2474
85°	4108



TEST NUMBER: P364793

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8050-F6LBXVM1-LI-BTR86

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.5	14.1
10°-20°	754.8	33.5
20°-30°	774.9	34.4
30°-40°	328.1	14.6
40°-50°	40.3	1.8
50°-60°	13.3	0.6
60°-70°	9.9	0.4
70°-80°	7.7	0.3
80°-90°	4.6	0.2
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°	1848.1	82.1
0°-40°	2176.2	96.6
0°-60°	2229.9	99.0
0°-90°	2252.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2252.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3530	
5°	3436	318
15°	2721	755
25°	1712	775
35°	453	328
45°	36	40
55°	15	13
65°	10	10
75°	7	8
85°	5	5
90°	0	



TEST NUMBER: P364793

CATALOG NUMBER: FLD6BX30D010-FEU6B35-8050-F6LBXVM1-LI-BTR86

CANDELA DISTRIBUTION (FULL):

0°	
0°	3530.1
2.5°	3507.2
5°	3436.5
7.5°	3315.0
10°	3131.9
12.5°	2936.7
15°	2720.7
17.5°	2488.8
20°	2240.9
22.5°	1977.1
25°	1712.3
27.5°	1438.5
30°	1149.8
32.5°	810.3
35°	453.0
37.5°	259.8
40°	145.3
42.5°	76.7
45°	35.8
47.5°	20.9
50°	17.9
52.5°	15.9
55°	14.9
57.5°	13.9
60°	11.9
62.5°	11.0
65°	10.0
67.5°	9.0
70°	8.0
72.5°	8.0
75°	7.0
77.5°	7.0
80°	6.0
82.5°	6.0
85°	5.0
87.5°	3.0
90°	0.0

(END OF REPORT)