

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: P364721

Luminaire Tested: **FLD6BX30D010-FEU6B35-8027-F6LBXVM1-LI-BTR86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364721
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-FEU6B35-8027-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: 2040.0 lumens
Efficiency: N/A
Efficacy: 75.6 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

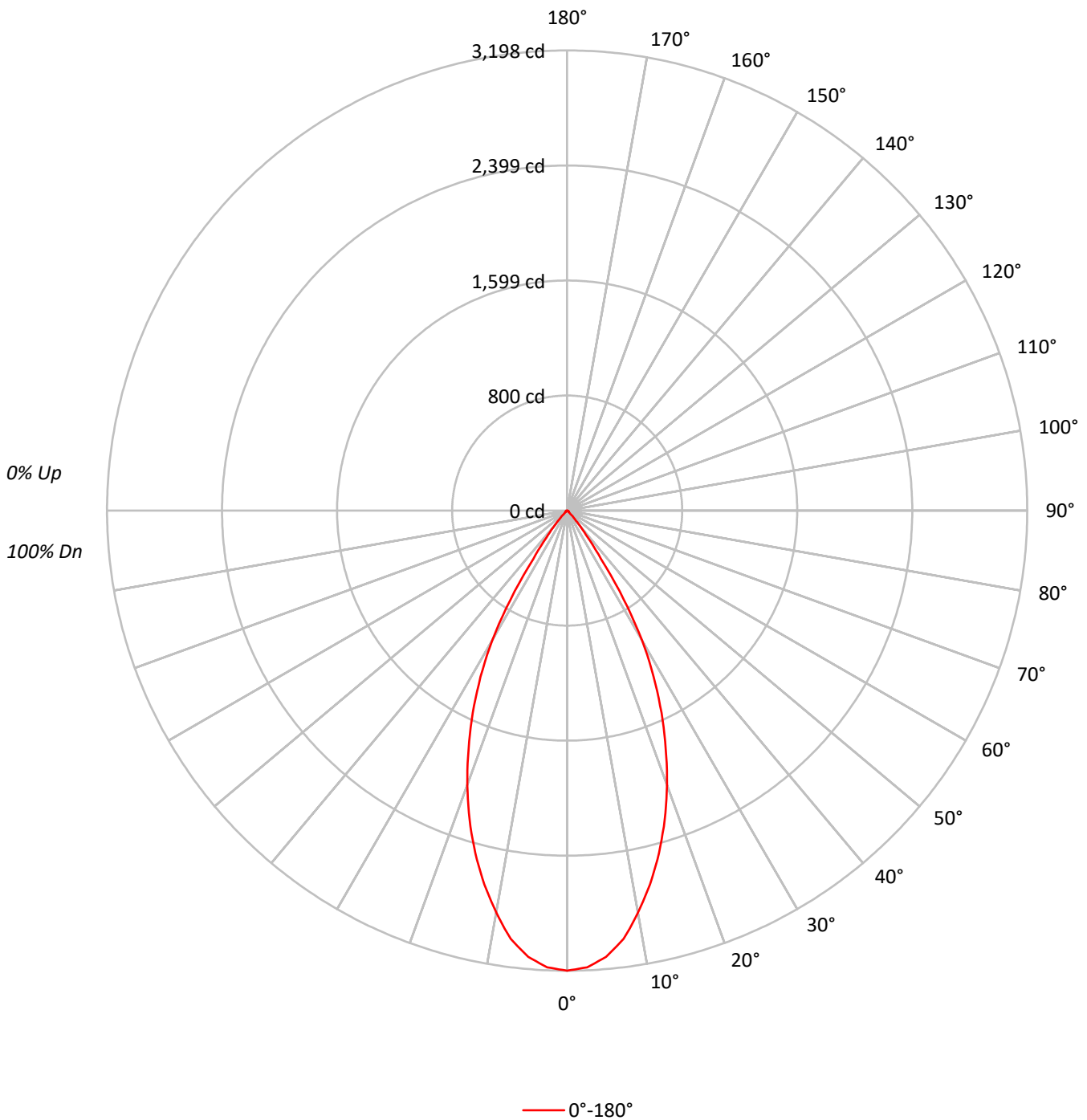
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	228961
5°	223748
10°	206268
15°	182695
20°	154672
25°	122543
30°	86118
35°	35864
40°	12310
45°	3291
50°	1805
55°	1685
60°	1547
65°	1525
70°	1507
75°	1743
80°	2227
85°	3697



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.5	14.1
10°-20°	683.7	33.5
20°-30°	701.9	34.4
30°-40°	297.2	14.6
40°-50°	36.5	1.8
50°-60°	12.1	0.6
60°-70°	8.9	0.4
70°-80°	6.9	0.3
80°-90°	4.2	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°	1674.1	82.1
0°-40°	1971.4	96.6
0°-60°	2020.0	99.0
0°-90°	2040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2040.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3198	
5°	3113	288
15°	2465	684
25°	1551	702
35°	410	297
45°	32	37
55°	14	12
65°	9	9
75°	6	7
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3197.7
2.5°	3177.0
5°	3113.0
7.5°	3003.0
10°	2837.0
12.5°	2660.3
15°	2464.6
17.5°	2254.5
20°	2029.9
22.5°	1791.0
25°	1551.1
27.5°	1303.1
30°	1041.6
32.5°	734.1
35°	410.3
37.5°	235.4
40°	131.7
42.5°	69.4
45°	32.5
47.5°	18.9
50°	16.2
52.5°	14.4
55°	13.5
57.5°	12.6
60°	10.8
62.5°	9.9
65°	9.0
67.5°	8.1
70°	7.2
72.5°	7.2
75°	6.3
77.5°	6.3
80°	5.4
82.5°	5.4
85°	4.5
87.5°	2.7
90°	0.0

(END OF REPORT)