

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: P364741

Luminaire Tested: **FLD6BX30D010-FEU6B35-8030-F6LBXVM1-LI-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364741
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX30D010-FEU6B35-8030-F6LBXVM1-LI-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2148.9 lumens
Efficiency: N/A
Efficacy: 79.6 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

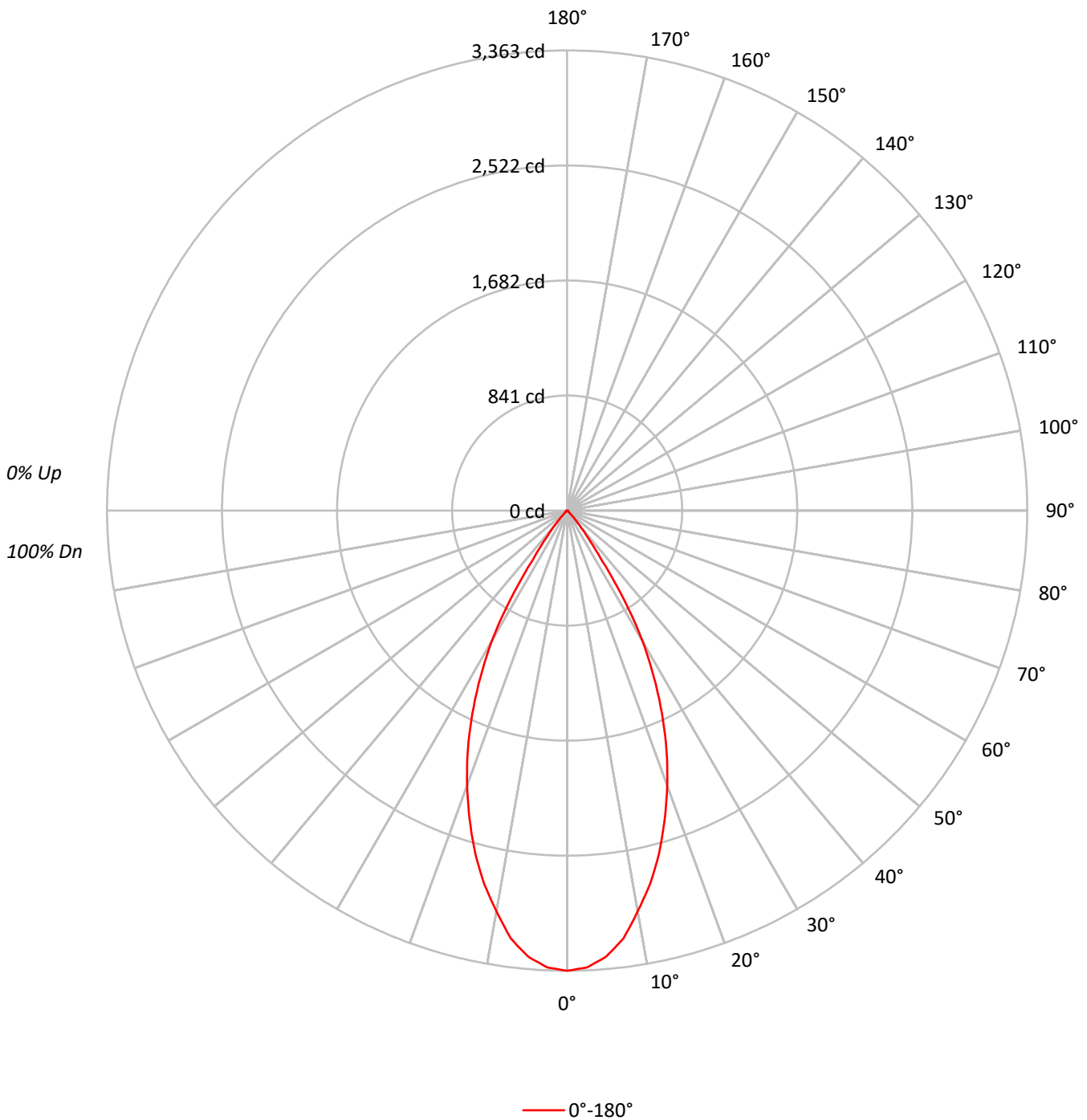
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	79
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°	240797
5°	235205
10°	216178
15°	192391
20°	162963
25°	129590
30°	91112
35°	38023
40°	13132
45°	3392
50°	1715
55°	1585
60°	1561
65°	1542
70°	1507
75°	1992
80°	2227
85°	3697



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.9	14.1
10°-20°	719.0	33.5
20°-30°	741.9	34.5
30°-40°	315.6	14.7
40°-50°	37.9	1.8
50°-60°	11.5	0.5
60°-70°	9.0	0.4
70°-80°	7.1	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°	1763.8	82.1
0°-40°	2079.3	96.8
0°-60°	2128.6	99.1
0°-90°	2148.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2148.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3363	
5°	3272	303
15°	2595	719
25°	1640	742
35°	435	316
45°	34	38
55°	13	11
65°	9	9
75°	7	7
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3363.0
2.5°	3341.3
5°	3272.4
7.5°	3152.8
10°	2973.3
12.5°	2796.6
15°	2595.4
17.5°	2368.9
20°	2138.7
22.5°	1898.5
25°	1640.3
27.5°	1373.8
30°	1102.0
32.5°	781.2
35°	435.0
37.5°	250.1
40°	140.5
42.5°	72.5
45°	33.5
47.5°	18.1
50°	15.4
52.5°	13.6
55°	12.7
57.5°	11.8
60°	10.9
62.5°	10.0
65°	9.1
67.5°	8.2
70°	7.2
72.5°	7.2
75°	7.2
77.5°	6.3
80°	5.4
82.5°	5.4
85°	4.5
87.5°	2.7
90°	0.0

(END OF REPORT)