

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: P364795

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-LI-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364795
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-FEU6B35-8050-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: 2270.0 lumens
Efficiency: N/A
Efficacy: 84.1 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

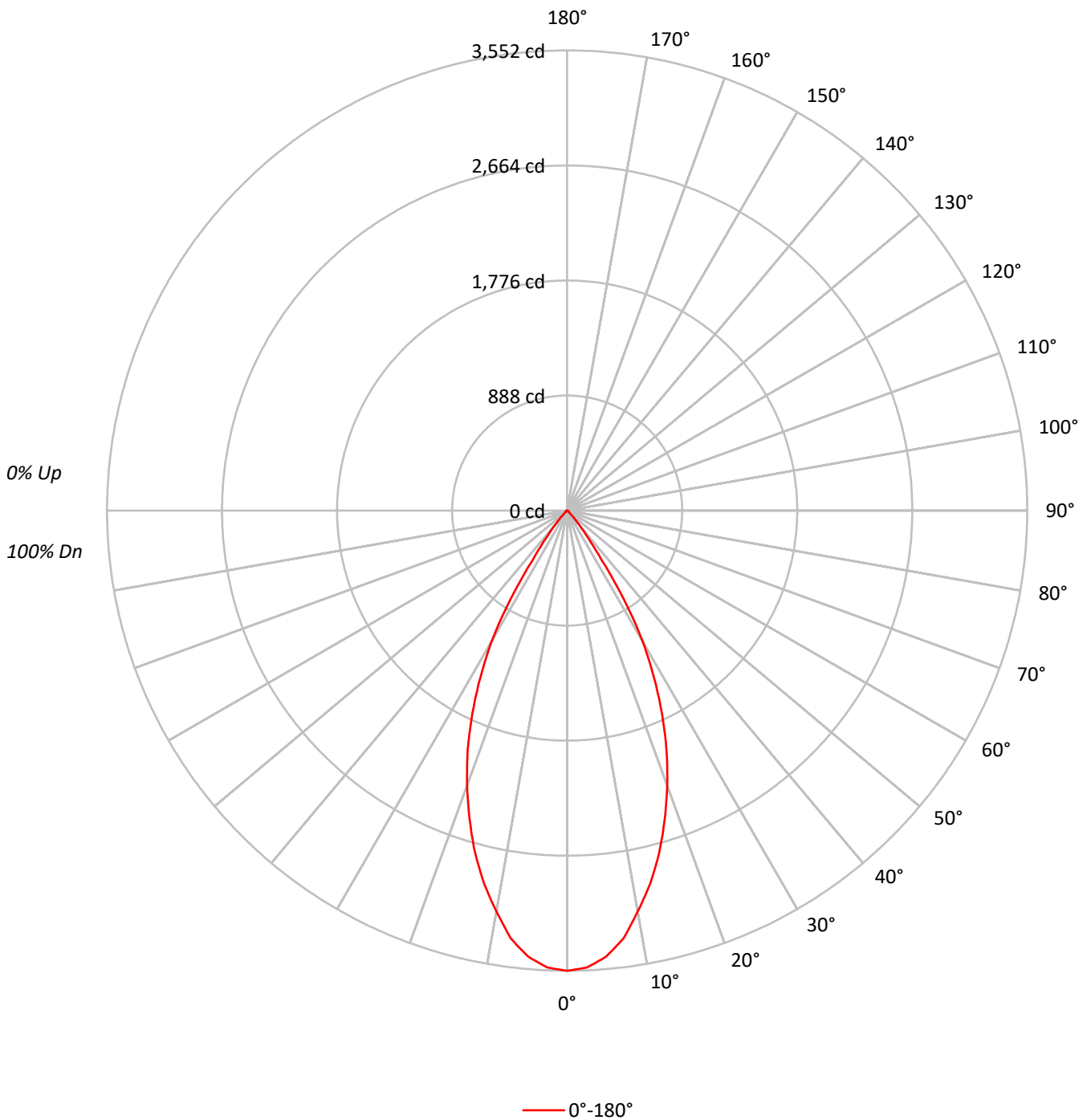
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	254358
5°	248444
10°	228356
15°	203228
20°	172137
25°	136882
30°	96238
35°	40165
40°	13871
45°	3585
50°	1816
55°	1673
60°	1647
65°	1626
70°	1612
75°	2130
80°	2350
85°	3943



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.0	14.1
10°-20°	759.5	33.5
20°-30°	783.6	34.5
30°-40°	333.3	14.7
40°-50°	40.0	1.8
50°-60°	12.1	0.5
60°-70°	9.5	0.4
70°-80°	7.6	0.3
80°-90°	4.4	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°	1863.1	82.1
0°-40°	2196.4	96.8
0°-60°	2248.5	99.1
0°-90°	2270.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2270.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3552	
5°	3457	320
15°	2742	759
25°	1733	784
35°	460	333
45°	35	40
55°	13	12
65°	10	9
75°	8	8
85°	5	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3552.4
2.5°	3529.4
5°	3456.6
7.5°	3330.3
10°	3140.8
12.5°	2954.1
15°	2741.6
17.5°	2502.3
20°	2259.1
22.5°	2005.4
25°	1732.6
27.5°	1451.2
30°	1164.0
32.5°	825.2
35°	459.5
37.5°	264.2
40°	148.4
42.5°	76.6
45°	35.4
47.5°	19.1
50°	16.3
52.5°	14.4
55°	13.4
57.5°	12.4
60°	11.5
62.5°	10.5
65°	9.6
67.5°	8.6
70°	7.7
72.5°	7.7
75°	7.7
77.5°	6.7
80°	5.7
82.5°	5.7
85°	4.8
87.5°	2.9
90°	0.0

(END OF REPORT)