

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: P366182

Luminaire Tested: **FLD6BX30D010-FEU6B35-8030-F6LBXVM1-WMH-BTR89BV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366182
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-28)
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-WMH-BTR89BV
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2279.0 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

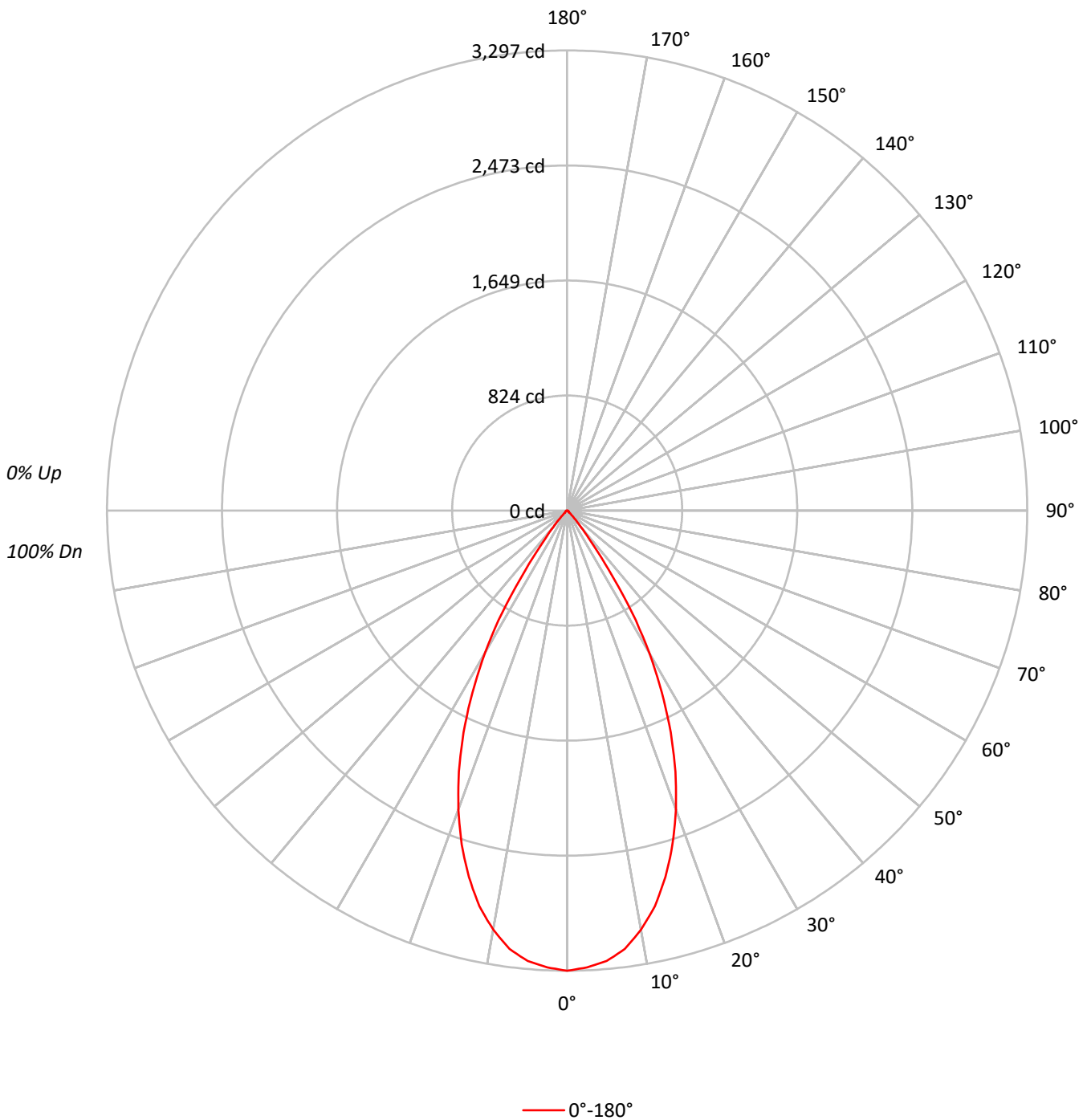
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68		75	70	67		74	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64		71	67	64		70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57		65	60	57		64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	236064
5°	232883
10°	221675
15°	201516
20°	173531
25°	138715
30°	97263
35°	45243
40°	14291
45°	4466
50°	1961
55°	1835
60°	1690
65°	1491
70°	1633
75°	1909
80°	2433
85°	4026



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.3	13.3
10°-20°	753.8	33.1
20°-30°	792.5	34.8
30°-40°	351.6	15.4
40°-50°	44.0	1.9
50°-60°	13.1	0.6
60°-70°	9.2	0.4
70°-80°	7.3	0.3
80°-90°	4.3	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°	1849.6	81.2
0°-40°	2201.1	96.6
0°-60°	2258.2	99.1
0°-90°	2279.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2279.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3297	
5°	3240	303
15°	2718	754
25°	1756	792
35°	518	352
45°	44	44
55°	15	13
65°	9	9
75°	7	7
85°	5	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3296.9
2.5°	3275.4
5°	3240.1
7.5°	3167.5
10°	3048.9
12.5°	2903.8
15°	2718.5
17.5°	2509.7
20°	2277.4
22.5°	2025.4
25°	1755.8
27.5°	1469.6
30°	1176.4
32.5°	865.7
35°	517.6
37.5°	275.5
40°	152.9
42.5°	83.3
45°	44.1
47.5°	21.6
50°	17.6
52.5°	15.7
55°	14.7
57.5°	13.7
60°	11.8
62.5°	10.8
65°	8.8
67.5°	7.8
70°	7.8
72.5°	6.9
75°	6.9
77.5°	6.9
80°	5.9
82.5°	4.9
85°	4.9
87.5°	2.9
90°	0.0

(END OF REPORT)