

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: P365463

Luminaire Tested: **FLD6BX30D010-FEU6B35-8030-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365463
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)
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-MW-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1744.0 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

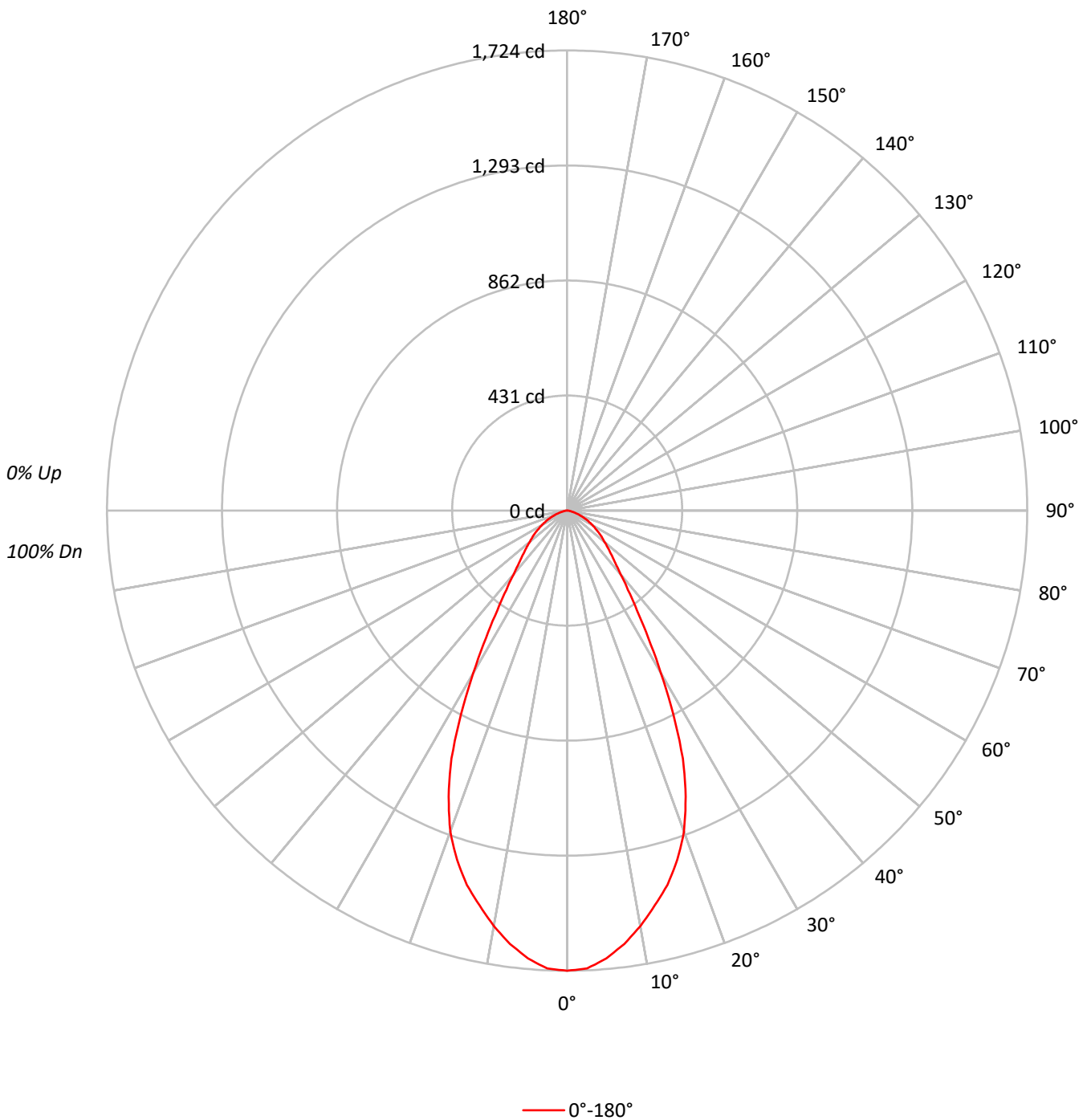
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87		91	88	85		88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	72	69	68
5	87	78	71	66	85	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	123442
5°	121024
10°	114942
15°	107596
20°	97532
25°	80995
30°	58098
35°	39833
40°	29219
45°	23715
50°	20418
55°	18113
60°	15724
65°	13283
70°	10467
75°	7580
80°	4866
85°	5669



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.5	9.0
10°-20°	404.6	23.2
20°-30°	459.4	26.3
30°-40°	294.0	16.9
40°-50°	183.7	10.5
50°-60°	130.1	7.5
60°-70°	77.8	4.5
70°-80°	30.3	1.7
80°-90°	6.7	0.4
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°	1021.4	58.6
0°-40°	1315.4	75.4
0°-60°	1629.2	93.4
0°-90°	1744.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1744.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1724	
5°	1684	157
15°	1452	405
25°	1025	459
35°	456	294
45°	234	184
55°	145	130
65°	78	78
75°	27	30
85°	7	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1724.0
2.5°	1717.1
5°	1683.8
7.5°	1637.7
10°	1580.9
12.5°	1515.2
15°	1451.5
17.5°	1372.1
20°	1280.0
22.5°	1160.4
25°	1025.2
27.5°	861.5
30°	702.7
32.5°	564.5
35°	455.7
37.5°	374.4
40°	312.6
42.5°	266.6
45°	234.2
47.5°	206.8
50°	183.3
52.5°	164.7
55°	145.1
57.5°	126.4
60°	109.8
62.5°	93.1
65°	78.4
67.5°	63.7
70°	50.0
72.5°	38.2
75°	27.4
77.5°	18.6
80°	11.8
82.5°	7.8
85°	6.9
87.5°	3.9
90°	0.0

(END OF REPORT)