

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: P365454

Luminaire Tested: **FLD6BX30D010-FEU6B35-8030-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365454
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)
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-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1700.0 lumens
Efficiency: N/A
Efficacy: 63.0 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

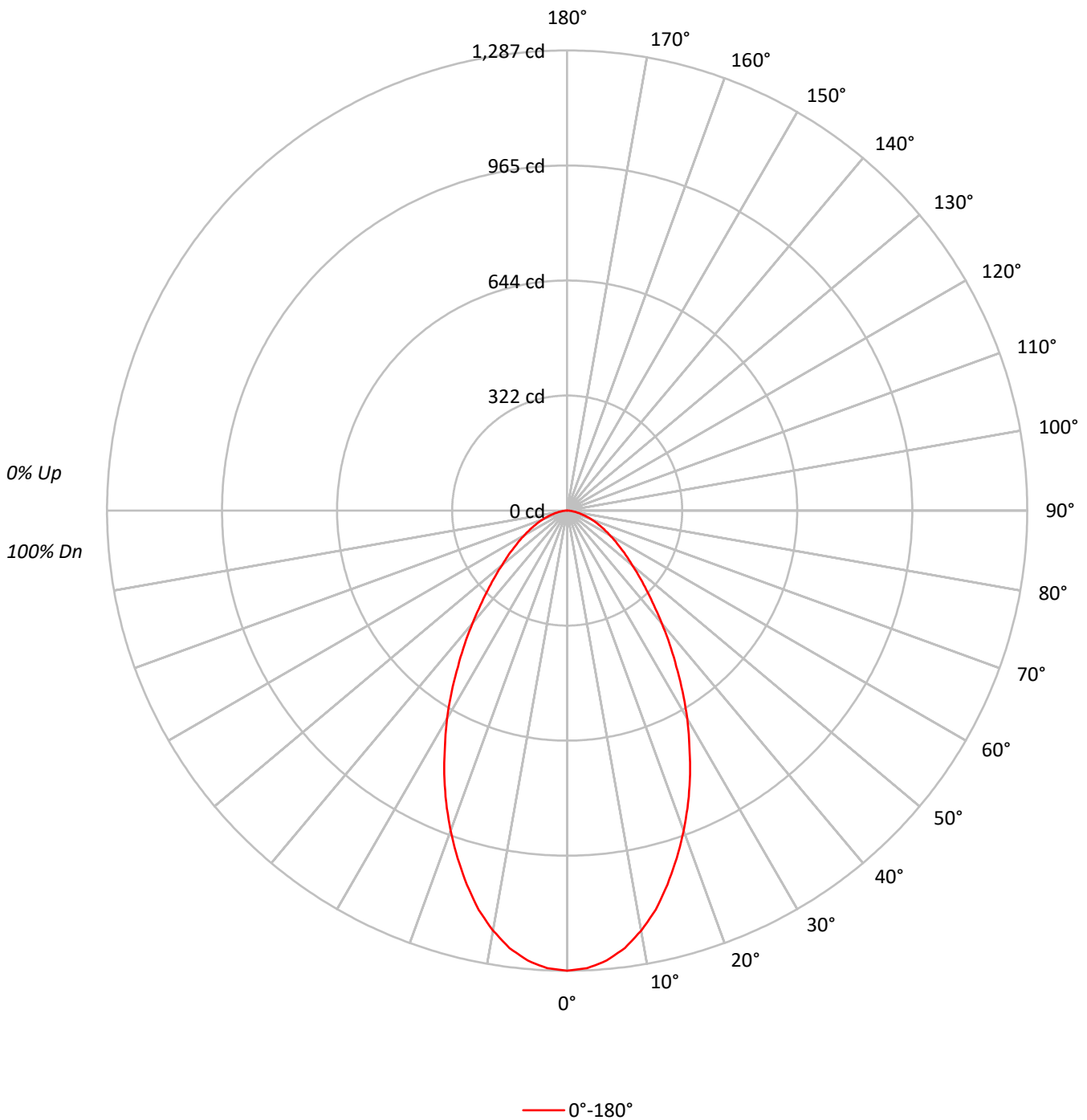
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84		89	85	82		86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74		81	76	73		78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66		74	69	65		72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54		63	57	53		62	57	53	51
7	74	62	55	49	72	61	54	49	60	53	49		59	53	49		57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		53	48	44	43
9	65	54	46	42	64	53	46	42	52	46	41		51	45	41		50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	92144
5°	90807
10°	86724
15°	80280
20°	72593
25°	64270
30°	55510
35°	46519
40°	38481
45°	31755
50°	26534
55°	22757
60°	19791
65°	17434
70°	15178
75°	12753
80°	10515
85°	8051



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.4	7.0
10°-20°	302.5	17.8
20°-30°	372.2	21.9
30°-40°	333.7	19.6
40°-50°	244.2	14.4
50°-60°	165.1	9.7
60°-70°	102.6	6.0
70°-80°	49.6	2.9
80°-90°	11.7	0.7
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°	793.1	46.7
0°-40°	1126.8	66.3
0°-60°	1536.1	90.4
0°-90°	1700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1700.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1287	
5°	1263	118
15°	1083	303
25°	814	372
35°	532	334
45°	314	244
55°	182	165
65°	103	103
75°	46	50
85°	10	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1286.9
2.5°	1281.0
5°	1263.4
7.5°	1234.0
10°	1192.8
12.5°	1143.8
15°	1083.0
17.5°	1019.3
20°	952.7
22.5°	884.1
25°	813.5
27.5°	740.0
30°	671.4
32.5°	600.8
35°	532.2
37.5°	470.5
40°	411.7
42.5°	358.7
45°	313.6
47.5°	273.5
50°	238.2
52.5°	209.7
55°	182.3
57.5°	159.8
60°	138.2
62.5°	119.6
65°	102.9
67.5°	87.2
70°	72.5
72.5°	58.8
75°	46.1
77.5°	34.3
80°	25.5
82.5°	16.7
85°	9.8
87.5°	3.9
90°	0.0

(END OF REPORT)