

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: P366229

Luminaire Tested: **FLD6BX30D010-FEU6B35-8050-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366229
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-31)
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-WMH-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2219.0 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

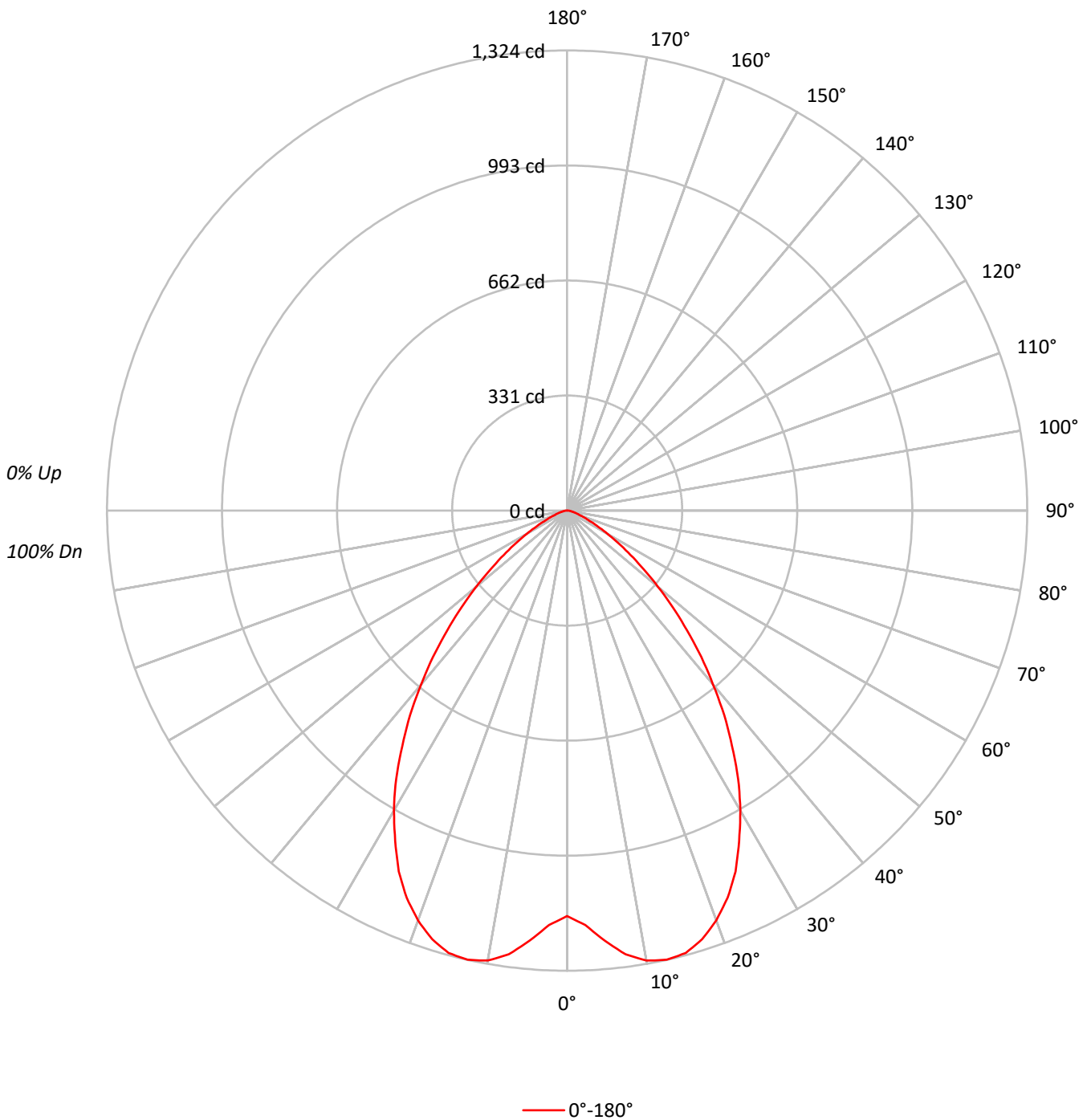
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	83531
5°	89276
10°	95580
15°	97678
20°	95597
25°	90531
30°	82414
35°	72297
40°	61054
45°	49364
50°	38052
55°	27788
60°	19118
65°	12622
70°	8227
75°	6003
80°	5113
85°	5915



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.9	5.4
10°-20°	369.0	16.6
20°-30°	522.8	23.6
30°-40°	515.7	23.2
40°-50°	378.0	17.0
50°-60°	202.6	9.1
60°-70°	77.9	3.5
70°-80°	24.8	1.1
80°-90°	7.3	0.3
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°	1012.7	45.6
0°-40°	1528.4	68.9
0°-60°	2109.0	95.0
0°-90°	2219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2219.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1167	
5°	1242	121
15°	1318	369
25°	1146	523
35°	827	516
45°	488	378
55°	223	203
65°	74	78
75°	22	25
85°	7	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1166.6
2.5°	1193.5
5°	1242.1
7.5°	1287.7
10°	1314.6
12.5°	1323.9
15°	1317.7
17.5°	1292.9
20°	1254.6
22.5°	1205.9
25°	1145.9
27.5°	1071.4
30°	996.8
32.5°	916.1
35°	827.1
37.5°	742.2
40°	653.2
42.5°	571.4
45°	487.5
47.5°	413.0
50°	341.6
52.5°	277.4
55°	222.6
57.5°	173.9
60°	133.5
62.5°	100.4
65°	74.5
67.5°	54.9
70°	39.3
72.5°	30.0
75°	21.7
77.5°	16.6
80°	12.4
82.5°	9.3
85°	7.2
87.5°	4.1
90°	0.0

(END OF REPORT)