

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: P364789

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-25)
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-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 3000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2282.0 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

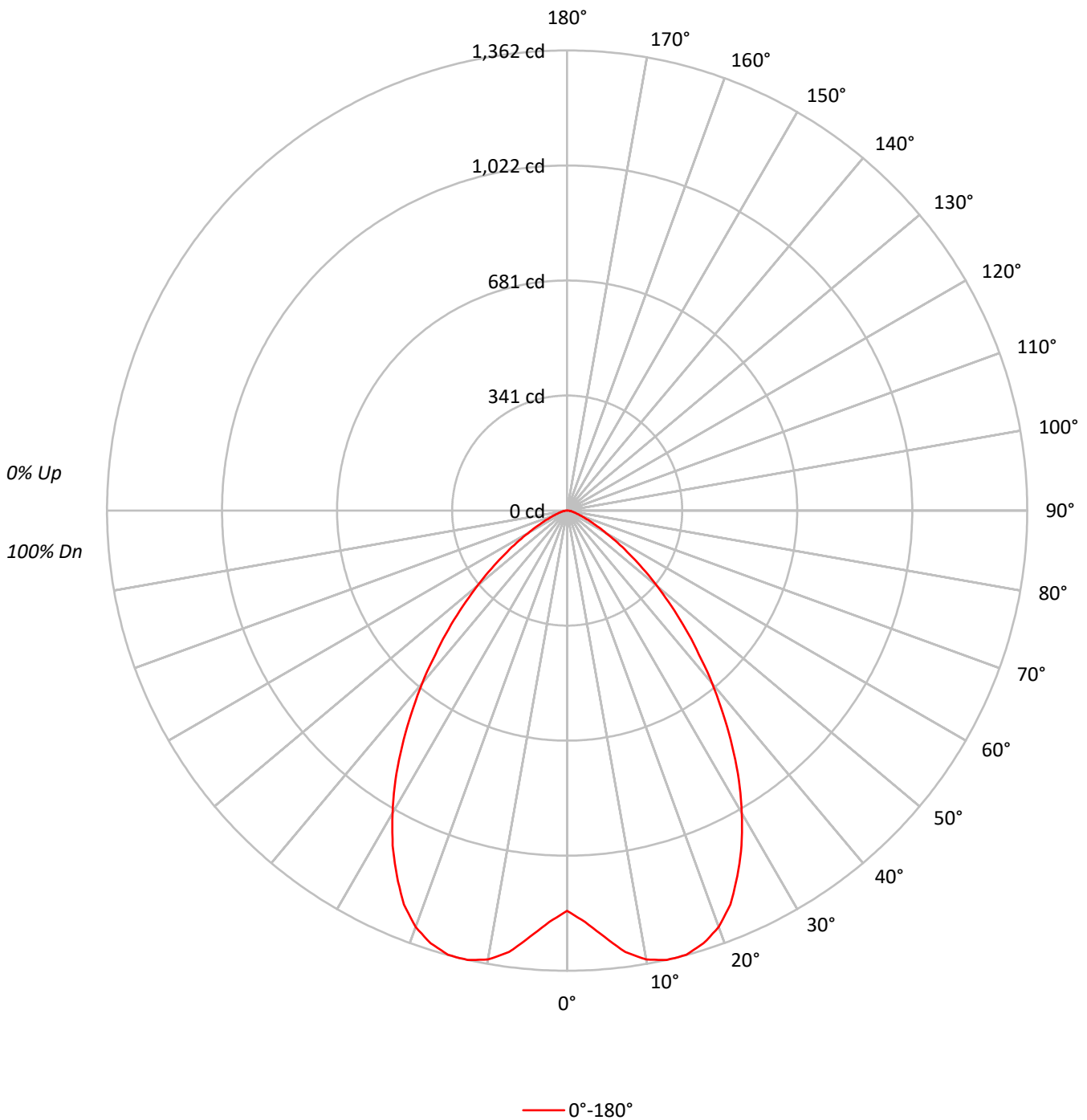
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	75		80	76	73	72
4	91	81	74	69	89	80	73	68	78	72	68		75	71	67		73	69	66	64
5	85	74	67	61	83	73	66	61	71	65	61		69	64	60		68	63	59	58
6	79	68	61	55	77	67	60	55	66	59	55		64	59	54		63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50		59	54	49		58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	42		51	46	41		50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84812
5°	91009
10°	98081
15°	100917
20°	99948
25°	94236
30°	85440
35°	74508
40°	62466
45°	50286
50°	38720
55°	28150
60°	19103
65°	12622
70°	8227
75°	6308
80°	5525
85°	6819



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.6	5.4
10°-20°	381.9	16.7
20°-30°	545.3	23.9
30°-40°	530.5	23.2
40°-50°	383.8	16.8
50°-60°	205.7	9.0
60°-70°	77.6	3.4
70°-80°	25.5	1.1
80°-90°	8.0	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°	1050.9	46.1
0°-40°	1581.4	69.3
0°-60°	2170.9	95.1
0°-90°	2282.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2282.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1184	
5°	1266	124
15°	1361	382
25°	1193	545
35°	852	531
45°	497	384
55°	226	206
65°	74	78
75°	23	25
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1184.5
2.5°	1218.6
5°	1266.2
7.5°	1317.9
10°	1349.0
12.5°	1362.4
15°	1361.4
17.5°	1342.8
20°	1311.7
22.5°	1262.1
25°	1192.8
27.5°	1118.3
30°	1033.4
32.5°	946.6
35°	852.4
37.5°	757.2
40°	668.3
42.5°	577.2
45°	496.6
47.5°	417.9
50°	347.6
52.5°	282.4
55°	225.5
57.5°	176.9
60°	133.4
62.5°	100.3
65°	74.5
67.5°	53.8
70°	39.3
72.5°	30.0
75°	22.8
77.5°	17.6
80°	13.4
82.5°	10.3
85°	8.3
87.5°	4.1
90°	0.0

(END OF REPORT)