

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: P366175

Luminaire Tested: **FLD6BX30D010-FEU6B35-8030-F6LBXVM1-WMH-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366175
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-FEU6B35-8030-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: 2102.0 lumens
Efficiency: N/A
Efficacy: 77.9 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

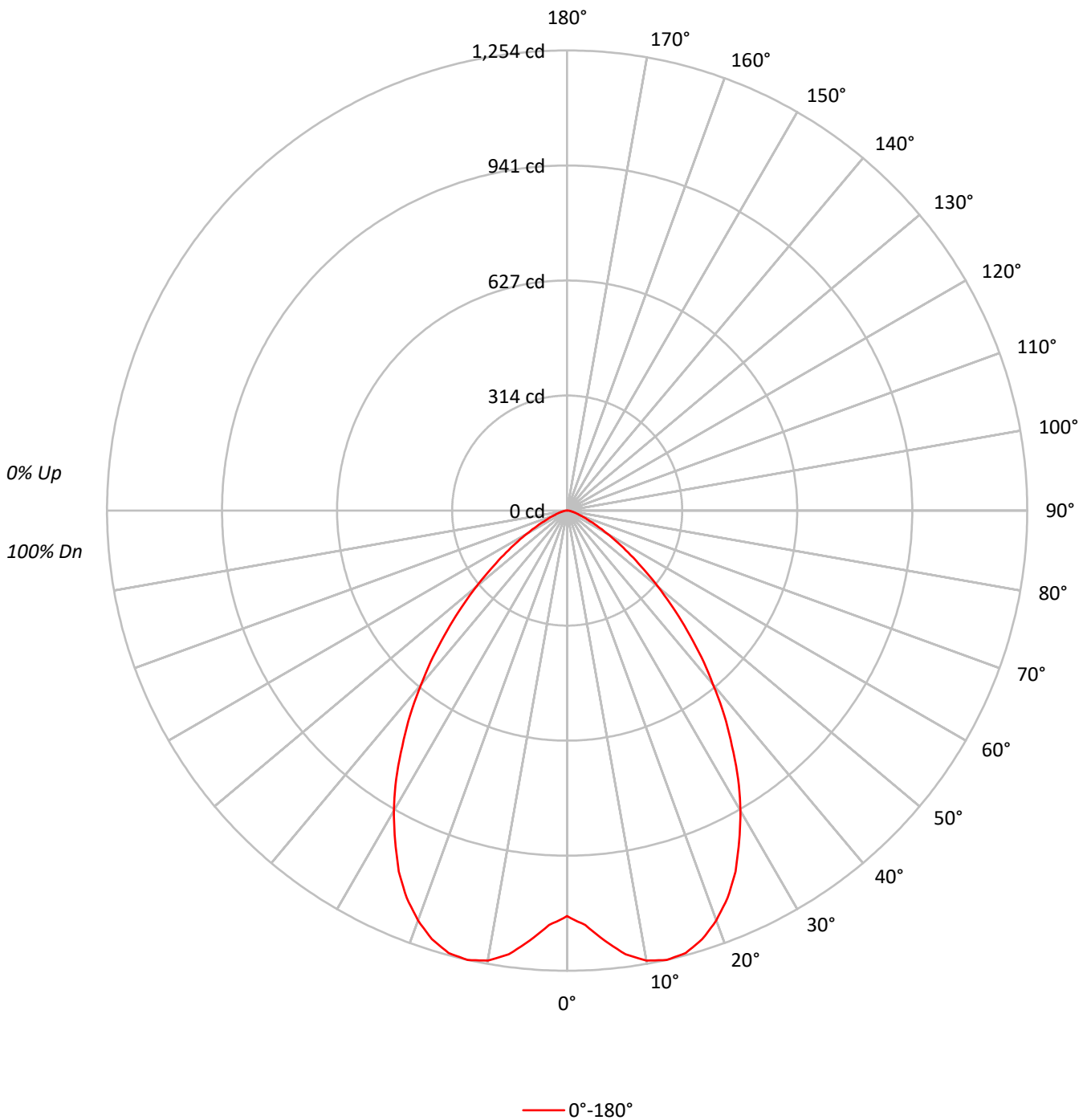
Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	79127
5°	84576
10°	90541
15°	92526
20°	90553
25°	85759
30°	78073
35°	68486
40°	57830
45°	46762
50°	36047
55°	26315
60°	18115
65°	11961
70°	7809
75°	5699
80°	4866
85°	5669



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	5.4
10°-20°	349.5	16.6
20°-30°	495.3	23.6
30°-40°	488.5	23.2
40°-50°	358.0	17.0
50°-60°	192.0	9.1
60°-70°	73.8	3.5
70°-80°	23.5	1.1
80°-90°	6.9	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°	959.3	45.6
0°-40°	1447.8	68.9
0°-60°	1997.8	95.0
0°-90°	2102.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2102.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1105	
5°	1177	115
15°	1248	350
25°	1086	495
35°	784	488
45°	462	358
55°	211	192
65°	71	74
75°	21	24
85°	7	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1105.1
2.5°	1130.6
5°	1176.7
7.5°	1219.8
10°	1245.3
12.5°	1254.1
15°	1248.2
17.5°	1224.7
20°	1188.4
22.5°	1142.3
25°	1085.5
27.5°	1014.9
30°	944.3
32.5°	867.8
35°	783.5
37.5°	703.1
40°	618.7
42.5°	541.3
45°	461.8
47.5°	391.2
50°	323.6
52.5°	262.8
55°	210.8
57.5°	164.7
60°	126.5
62.5°	95.1
65°	70.6
67.5°	52.0
70°	37.3
72.5°	28.4
75°	20.6
77.5°	15.7
80°	11.8
82.5°	8.8
85°	6.9
87.5°	3.9
90°	0.0

(END OF REPORT)