

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: P365743

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365743
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3207.0 lumens
Efficiency: N/A
Efficacy: 55.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

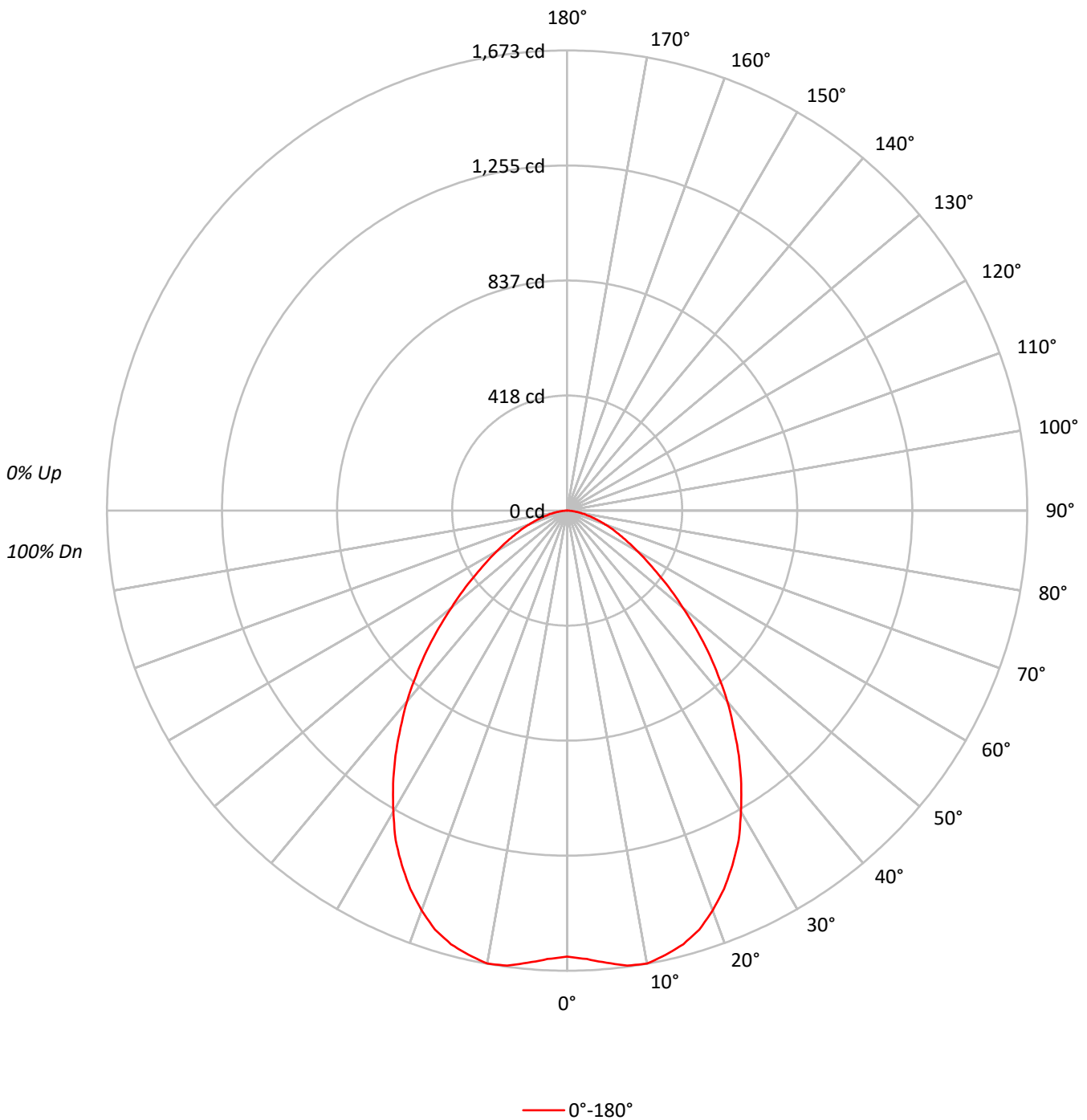
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	100	108	105	101	99	101	98	96		97	95	93		93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82		87	84	80		84	81	79	77
3	95	86	79	73	93	84	78	73	81	76	71		79	74	70		76	72	69	67
4	88	77	70	64	86	76	69	64	74	68	63		72	66	62		70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56		65	60	55		64	59	55	53
6	76	64	56	51	74	63	56	50	62	55	50		60	54	49		58	53	49	47
7	71	59	51	45	69	58	51	45	57	50	45		55	49	45		54	49	44	43
8	66	54	46	41	65	54	46	41	52	46	41		51	45	41		50	45	40	39
9	62	50	43	38	61	50	42	37	48	42	37		47	41	37		46	41	37	35
10	59	47	39	34	58	46	39	34	45	39	34		44	38	34		43	38	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	116124
5°	118616
10°	121616
15°	120976
20°	117831
25°	112351
30°	104440
35°	95102
40°	84749
45°	73242
50°	61054
55°	50608
60°	42302
65°	35901
70°	30712
75°	25369
80°	20163
85°	15034



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.4	4.9
10°-20°	458.4	14.3
20°-30°	652.0	20.3
30°-40°	677.9	21.1
40°-50°	557.1	17.4
50°-60°	368.0	11.5
60°-70°	213.2	6.6
70°-80°	99.3	3.1
80°-90°	22.7	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°	1268.7	39.6
0°-40°	1946.7	60.7
0°-60°	2871.8	89.5
0°-90°	3207.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3207.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1622	
5°	1650	158
15°	1632	458
25°	1422	652
35°	1088	678
45°	723	557
55°	405	368
65°	212	213
75°	92	99
85°	18	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1621.8
2.5°	1632.0
5°	1650.3
7.5°	1668.7
10°	1672.7
12.5°	1654.4
15°	1632.0
17.5°	1597.3
20°	1546.4
22.5°	1489.4
25°	1422.1
27.5°	1350.8
30°	1263.2
32.5°	1177.6
35°	1088.0
37.5°	994.3
40°	906.7
42.5°	812.9
45°	723.3
47.5°	633.6
50°	548.1
52.5°	476.8
55°	405.4
57.5°	346.4
60°	295.4
62.5°	250.6
65°	211.9
67.5°	179.3
70°	146.7
72.5°	118.2
75°	91.7
77.5°	69.3
80°	48.9
82.5°	32.6
85°	18.3
87.5°	8.1
90°	0.0

(END OF REPORT)