

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: P365726

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365726
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3224.0 lumens
Efficiency: N/A
Efficacy: 55.5 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

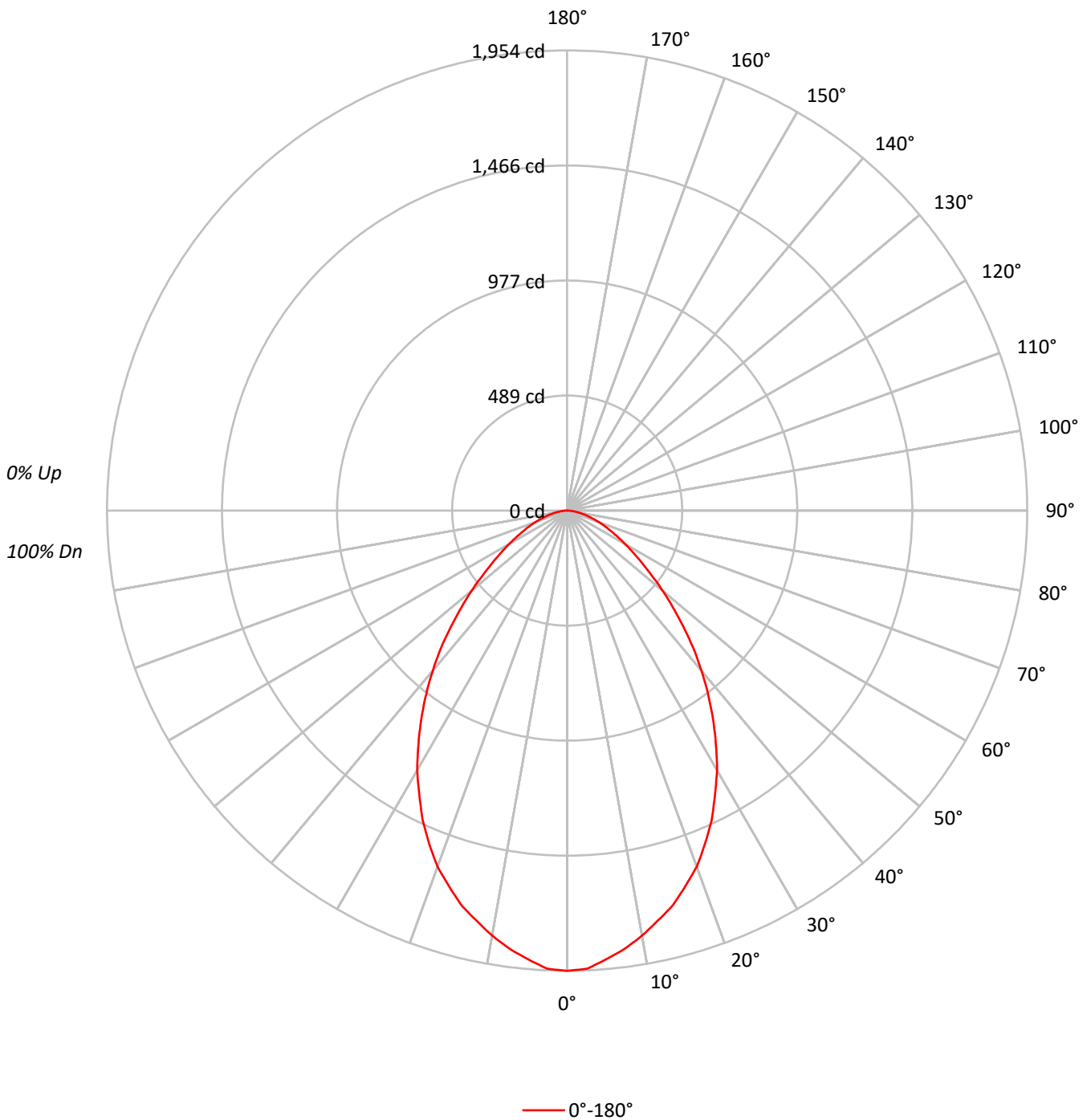
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72	79	75	71	77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64	72	67	63	70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	59	56	54
6	77	65	57	52	75	64	57	51	62	56	51	61	55	50	59	54	50	48
7	72	60	52	46	70	59	52	46	57	51	46	56	50	46	55	50	45	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40
9	63	51	44	39	62	51	43	39	49	43	38	48	42	38	47	42	38	36
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	139946
5°	137469
10°	133242
15°	128589
20°	122586
25°	114627
30°	105258
35°	94333
40°	82936
45°	70629
50°	58994
55°	48398
60°	40641
65°	34529
70°	30125
75°	25424
80°	20617
85°	16431



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.1	5.6
10°-20°	486.4	15.1
20°-30°	664.5	20.6
30°-40°	673.4	20.9
40°-50°	540.0	16.7
50°-60°	351.8	10.9
60°-70°	205.4	6.4
70°-80°	98.7	3.1
80°-90°	23.7	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°	1331.0	41.3
0°-40°	2004.4	62.2
0°-60°	2896.2	89.8
0°-90°	3224.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3224.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1954	
5°	1913	180
15°	1735	486
25°	1451	664
35°	1079	673
45°	698	540
55°	388	352
65°	204	205
75°	92	99
85°	20	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1954.5
2.5°	1946.6
5°	1912.6
7.5°	1876.6
10°	1832.6
12.5°	1782.7
15°	1734.7
17.5°	1670.8
20°	1608.8
22.5°	1530.9
25°	1450.9
27.5°	1359.0
30°	1273.1
32.5°	1175.1
35°	1079.2
37.5°	983.3
40°	887.3
42.5°	793.4
45°	697.5
47.5°	609.5
50°	529.6
52.5°	451.7
55°	387.7
57.5°	331.8
60°	283.8
62.5°	241.8
65°	203.8
67.5°	171.9
70°	143.9
72.5°	115.9
75°	91.9
77.5°	69.9
80°	50.0
82.5°	34.0
85°	20.0
87.5°	8.0
90°	0.0

(END OF REPORT)