

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: P366498

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366498
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-29)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-WMH-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4779.0 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

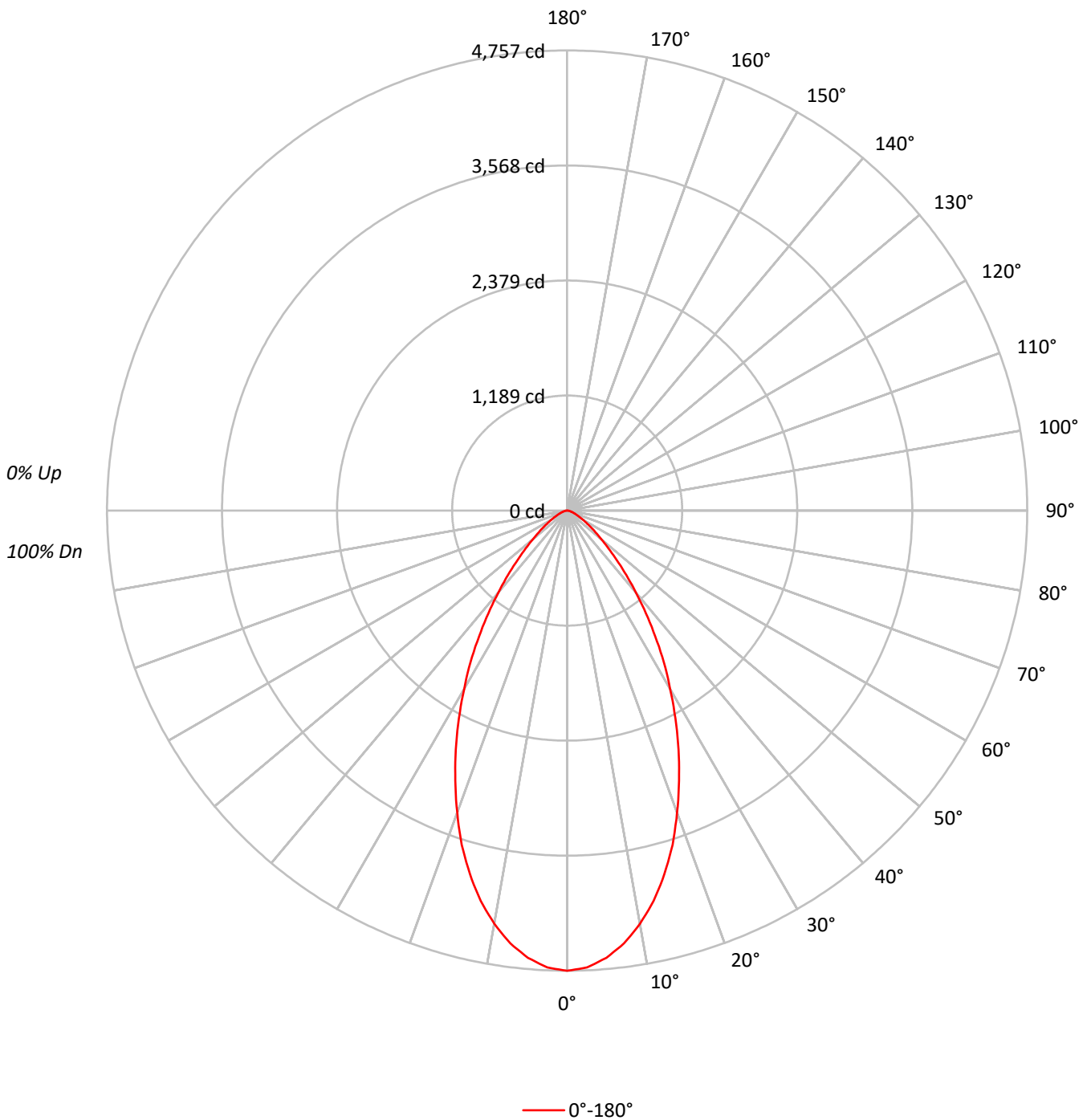
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89	87	85	83
3	100	92	86	82	97	91	85	81	88	84	80		85	82	79		83	80	77	76
4	94	85	79	74	92	84	78	73	82	77	72		79	75	72		78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66		74	69	66		72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61		69	64	60		68	63	60	58
7	79	68	61	57	77	67	61	57	66	60	56		65	60	56		64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60	55	52	50
9	70	60	53	49	69	59	53	49	58	53	49		57	52	48		56	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45		54	49	45		53	49	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	340603
5°	333566
10°	315350
15°	288223
20°	253211
25°	215222
30°	176073
35°	138597
40°	103275
45°	73231
50°	51675
55°	37113
60°	26579
65°	19297
70°	15010
75°	12256
80°	10432
85°	10434



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.5	9.1
10°-20°	1081.9	22.6
20°-30°	1244.5	26.0
30°-40°	993.0	20.8
40°-50°	572.5	12.0
50°-60°	272.9	5.7
60°-70°	118.1	2.5
70°-80°	48.3	1.0
80°-90°	14.4	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°	2759.9	57.7
0°-40°	3752.9	78.5
0°-60°	4598.2	96.2
0°-90°	4779.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4779.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4757	
5°	4641	433
15°	3888	1082
25°	2724	1245
35°	1586	993
45°	723	572
55°	297	273
65°	114	118
75°	44	48
85°	13	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4756.9
2.5°	4727.4
5°	4640.9
7.5°	4512.3
10°	4337.3
12.5°	4132.8
15°	3888.2
17.5°	3622.5
20°	3323.1
22.5°	3021.6
25°	2724.2
27.5°	2422.7
30°	2129.6
32.5°	1861.8
35°	1585.6
37.5°	1338.9
40°	1104.9
42.5°	904.6
45°	723.2
47.5°	579.9
50°	463.9
52.5°	371.1
55°	297.3
57.5°	234.0
60°	185.6
62.5°	145.5
65°	113.9
67.5°	90.7
70°	71.7
72.5°	56.9
75°	44.3
77.5°	33.7
80°	25.3
82.5°	19.0
85°	12.7
87.5°	8.4
90°	0.0

(END OF REPORT)