

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: P365064

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-LI-BTR87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)
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-LI-BTR87
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4672.0 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

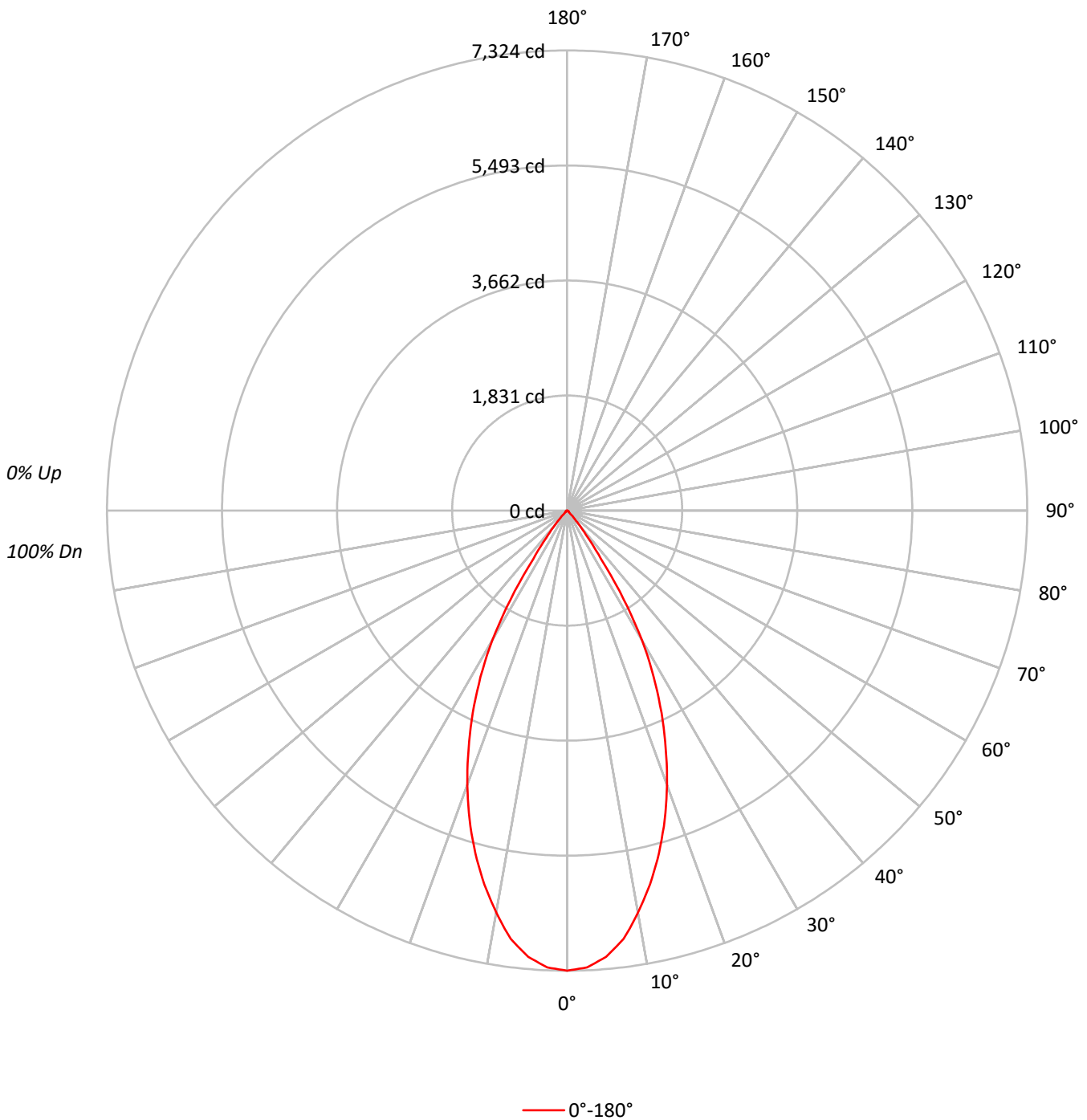
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94		96	94	92		94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87		92	89	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77		83	79	76		81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72		79	75	72		78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68		75	71	68		74	70	68	66
8	83	74	69	65	82	74	68	65	73	68	65		72	67	64		71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61		68	64	61		68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	524376
5°	512421
10°	472403
15°	418406
20°	354233
25°	280646
30°	197222
35°	82139
40°	28181
45°	7524
50°	4144
55°	3870
60°	3551
65°	3507
70°	3454
75°	4011
80°	5113
85°	8462



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	660.7	14.1
10°-20°	1565.9	33.5
20°-30°	1607.5	34.4
30°-40°	680.7	14.6
40°-50°	83.7	1.8
50°-60°	27.7	0.6
60°-70°	20.5	0.4
70°-80°	15.8	0.3
80°-90°	9.6	0.2
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°	3834.1	82.1
0°-40°	4514.8	96.6
0°-60°	4626.1	99.0
0°-90°	4672.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4672.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7324	
5°	7129	661
15°	5644	1566
25°	3552	1608
35°	940	681
45°	74	84
55°	31	28
65°	21	20
75°	14	16
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7323.5
2.5°	7276.0
5°	7129.3
7.5°	6877.4
10°	6497.4
12.5°	6092.6
15°	5644.4
17.5°	5163.2
20°	4648.9
22.5°	4101.6
25°	3552.3
27.5°	2984.3
30°	2385.4
32.5°	1681.1
35°	939.7
37.5°	539.0
40°	301.5
42.5°	159.0
45°	74.3
47.5°	43.4
50°	37.2
52.5°	33.0
55°	31.0
57.5°	28.9
60°	24.8
62.5°	22.7
65°	20.7
67.5°	18.6
70°	16.5
72.5°	16.5
75°	14.5
77.5°	14.5
80°	12.4
82.5°	12.4
85°	10.3
87.5°	6.2
90°	0.0

(END OF REPORT)