

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: P365061

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-LI-BTR84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365061
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-BTR84
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4771.0 lumens
Efficiency: N/A
Efficacy: 82.1 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

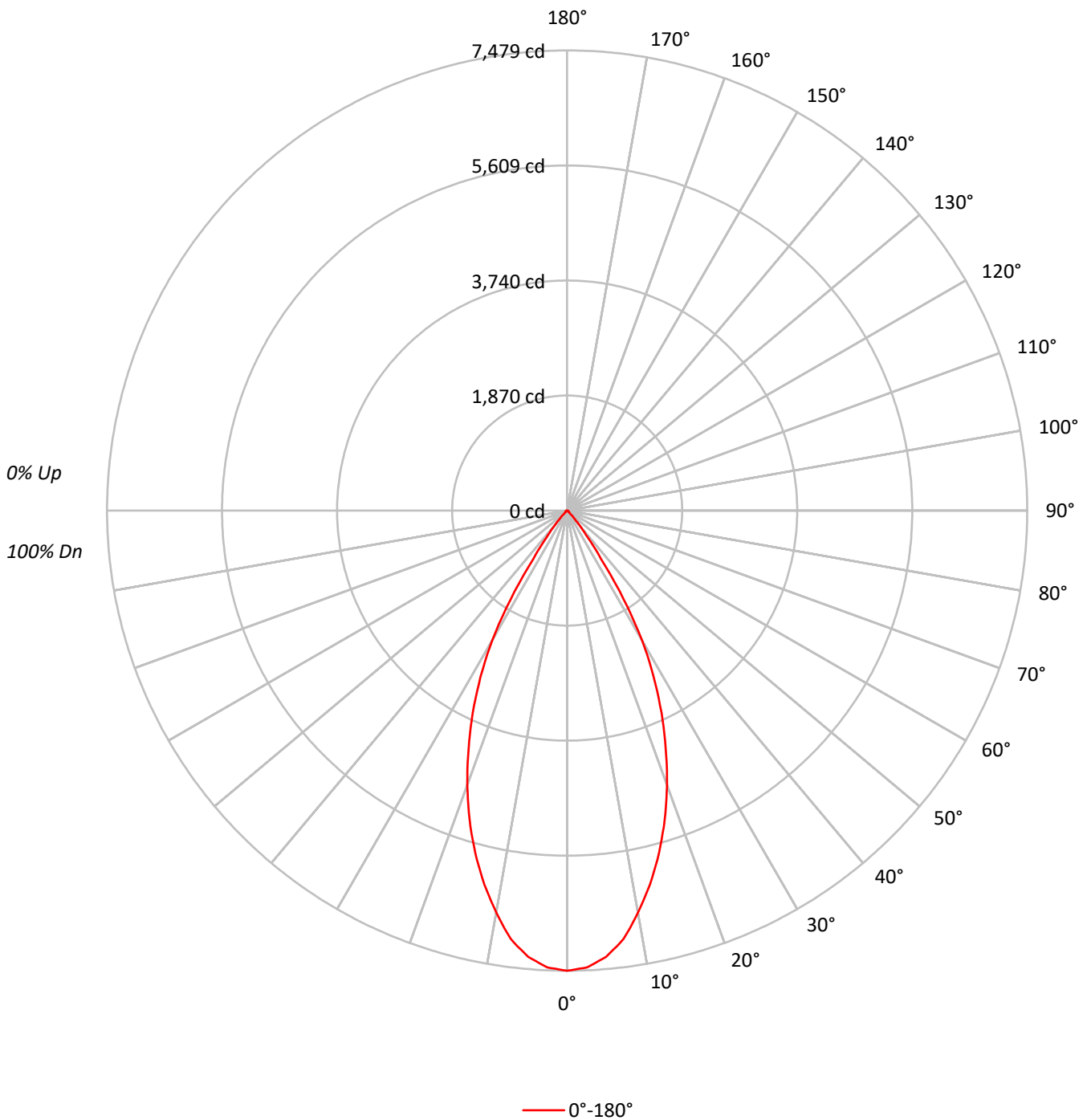
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	535482
5°	523281
10°	482407
15°	427272
20°	361738
25°	286587
30°	201397
35°	83878
40°	28779
45°	7686
50°	4233
55°	3945
60°	3623
65°	3575
70°	3538
75°	4094
80°	5237
85°	8626



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	674.7	14.1
10°-20°	1599.1	33.5
20°-30°	1641.6	34.4
30°-40°	695.1	14.6
40°-50°	85.5	1.8
50°-60°	28.3	0.6
60°-70°	20.9	0.4
70°-80°	16.2	0.3
80°-90°	9.8	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°	3915.3	82.1
0°-40°	4610.4	96.6
0°-60°	4724.2	99.0
0°-90°	4771.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4771.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7479	
5°	7280	675
15°	5764	1599
25°	3628	1642
35°	960	695
45°	76	85
55°	32	28
65°	21	21
75°	15	16
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7478.6
2.5°	7430.1
5°	7280.4
7.5°	7023.1
10°	6635.0
12.5°	6221.7
15°	5764.0
17.5°	5272.6
20°	4747.4
22.5°	4188.5
25°	3627.5
27.5°	3047.6
30°	2435.9
32.5°	1716.8
35°	959.6
37.5°	550.5
40°	307.9
42.5°	162.4
45°	75.9
47.5°	44.3
50°	38.0
52.5°	33.7
55°	31.6
57.5°	29.5
60°	25.3
62.5°	23.2
65°	21.1
67.5°	19.0
70°	16.9
72.5°	16.9
75°	14.8
77.5°	14.8
80°	12.7
82.5°	12.7
85°	10.5
87.5°	6.3
90°	0.0

(END OF REPORT)