

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: P365047

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365047
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8040-F6LBXVM1-LI-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4514.9 lumens
Efficiency: N/A
Efficacy: 77.7 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

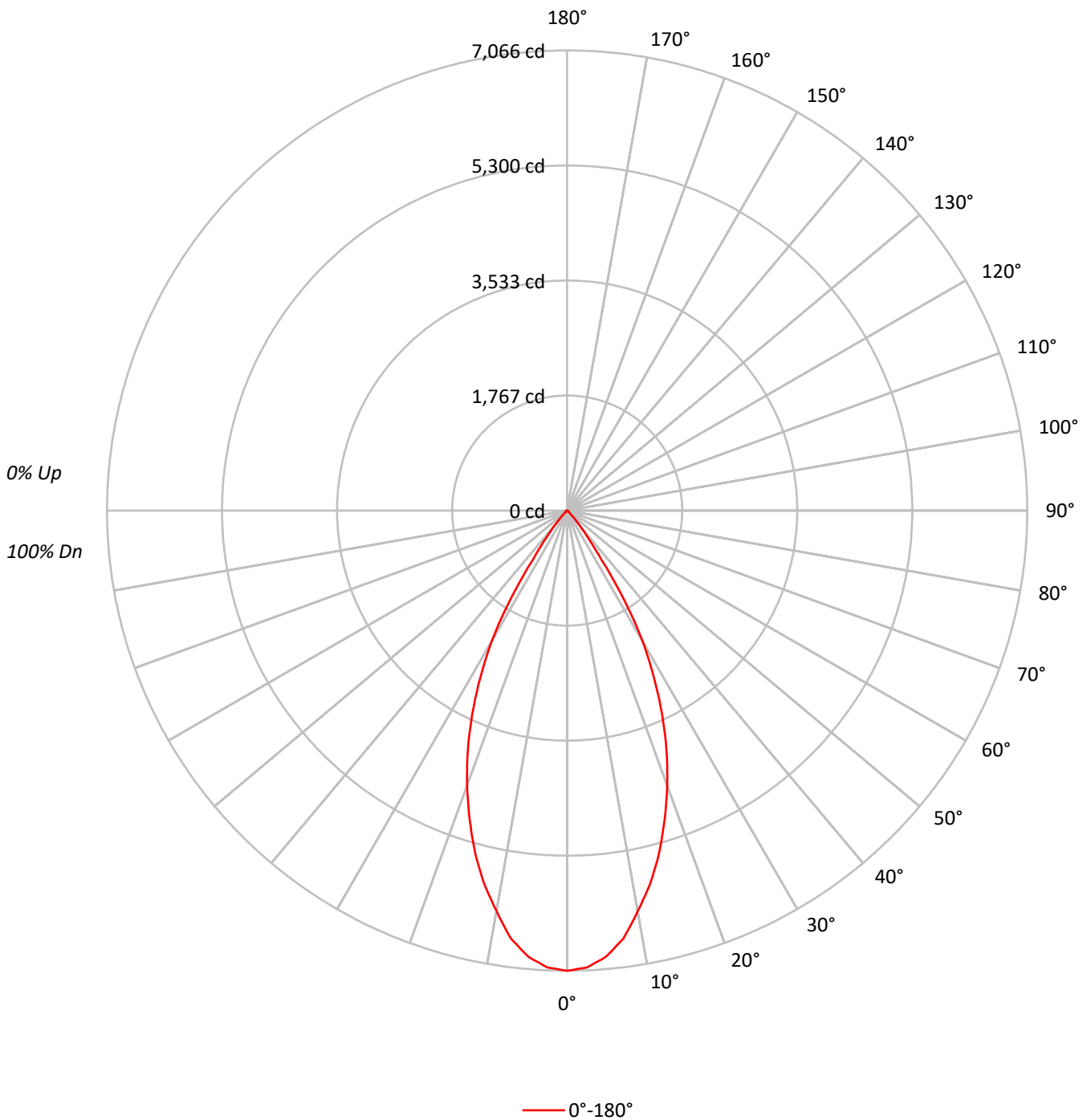
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	79
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°	505910
5°	494157
10°	454190
15°	404218
20°	342384
25°	272263
30°	191418
35°	79884
40°	27583
45°	7129
50°	3609
55°	3333
60°	3265
65°	3219
70°	3182
75°	4205
80°	4701
85°	7805



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	636.5	14.1
10°-20°	1510.5	33.5
20°-30°	1558.6	34.5
30°-40°	663.0	14.7
40°-50°	79.5	1.8
50°-60°	24.1	0.5
60°-70°	18.8	0.4
70°-80°	15.1	0.3
80°-90°	8.8	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°	3705.7	82.1
0°-40°	4368.6	96.8
0°-60°	4472.3	99.1
0°-90°	4514.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4514.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7066	
5°	6875	636
15°	5453	1511
25°	3446	1559
35°	914	663
45°	70	80
55°	27	24
65°	19	19
75°	15	15
85°	10	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7065.6
2.5°	7019.9
5°	6875.2
7.5°	6623.9
10°	6246.9
12.5°	5875.6
15°	5453.0
17.5°	4977.0
20°	4493.4
22.5°	3988.8
25°	3446.2
27.5°	2886.4
30°	2315.2
32.5°	1641.2
35°	913.9
37.5°	525.5
40°	295.1
42.5°	152.3
45°	70.4
47.5°	38.1
50°	32.4
52.5°	28.6
55°	26.7
57.5°	24.8
60°	22.8
62.5°	20.9
65°	19.0
67.5°	17.1
70°	15.2
72.5°	15.2
75°	15.2
77.5°	13.3
80°	11.4
82.5°	11.4
85°	9.5
87.5°	5.7
90°	0.0

(END OF REPORT)