

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: P365053

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8050-F6LBXVM1-LI-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365053
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-43)
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-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5506.0 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.82
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

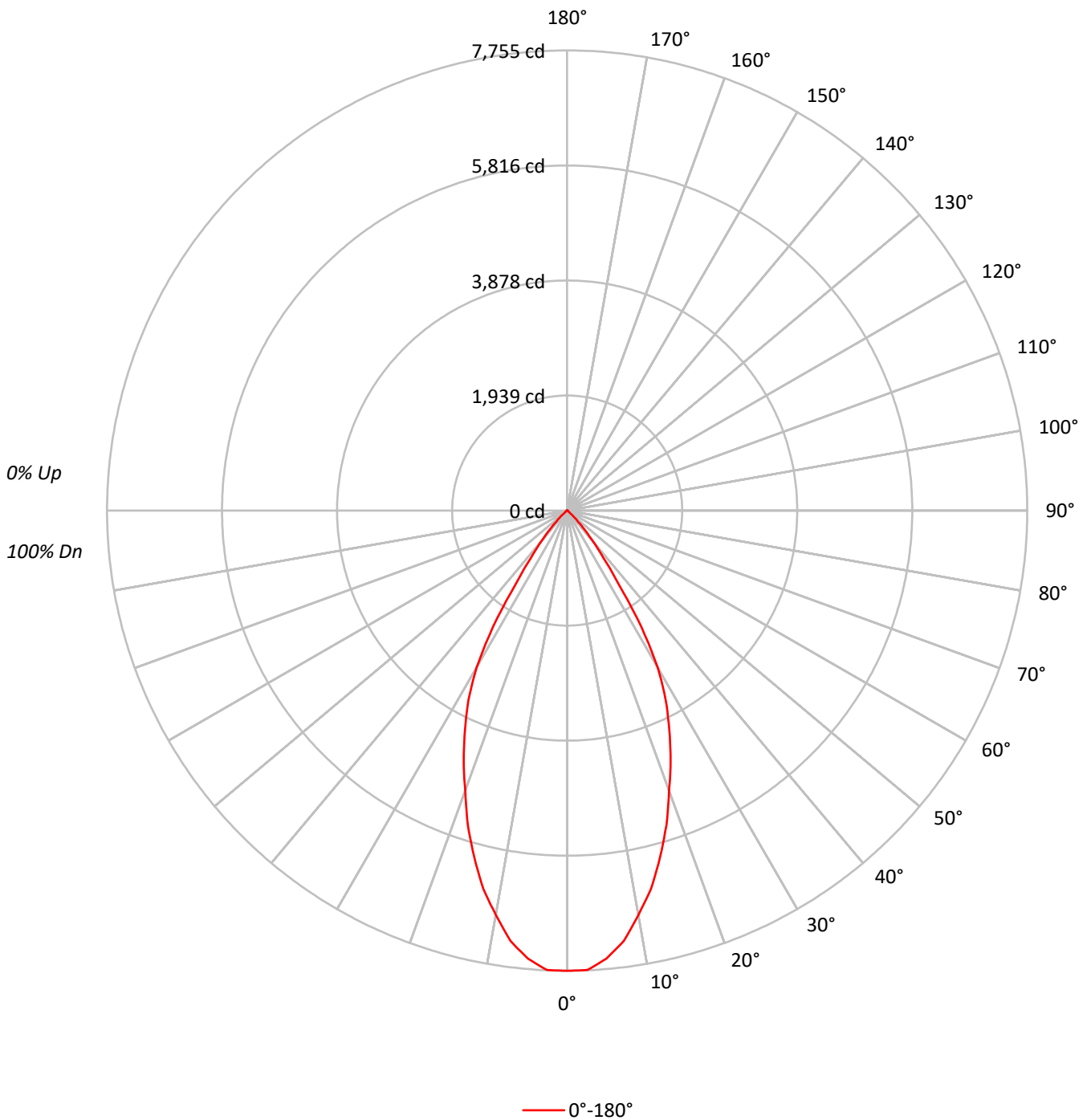
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	102	99	96	99	96	94		96	94	92		93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89	86	84	83
4	99	91	86	82	97	90	85	82	88	84	81		86	83	80		84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80	77	74	73
6	90	81	75	71	88	80	75	71	79	74	71		77	73	70		76	73	70	68
7	85	77	71	67	84	76	71	67	75	70	66		74	69	66		72	69	66	64
8	82	72	67	63	80	72	67	63	71	66	63		70	65	62		69	65	62	61
9	78	69	63	59	77	68	63	59	67	62	59		66	62	59		66	62	59	57
10	74	65	60	56	74	65	60	56	64	59	56		63	59	56		63	58	56	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	211838
5°	207810
10°	191910
15°	171013
20°	146045
25°	122654
30°	96285
35°	49895
40°	23826
45°	9379
50°	2469
55°	691
60°	453
65°	401
70°	335
75°	443
80°	330
85°	658



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	702.8	12.8
10°-20°	1680.7	30.5
20°-30°	1855.6	33.7
30°-40°	1021.1	18.5
40°-50°	215.8	3.9
50°-60°	18.3	0.3
60°-70°	5.6	0.1
70°-80°	4.1	0.1
80°-90°	2.0	0.0
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°	4239.1	77.0
0°-40°	5260.2	95.5
0°-60°	5494.3	99.8
0°-90°	5506.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5506.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7755	
5°	7579	703
15°	6047	1681
25°	4070	1856
35°	1496	1021
45°	243	216
55°	14	18
65°	6	6
75°	4	4
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7755.3
2.5°	7751.2
5°	7578.9
7.5°	7313.3
10°	6919.0
12.5°	6526.7
15°	6047.4
17.5°	5559.7
20°	5024.2
22.5°	4555.2
25°	4069.6
27.5°	3600.6
30°	3052.7
32.5°	2330.5
35°	1496.3
37.5°	1008.6
40°	668.2
42.5°	417.1
45°	242.8
47.5°	124.5
50°	58.1
52.5°	24.9
55°	14.5
57.5°	10.4
60°	8.3
62.5°	6.2
65°	6.2
67.5°	4.2
70°	4.2
72.5°	6.2
75°	4.2
77.5°	2.1
80°	2.1
82.5°	2.1
85°	2.1
87.5°	2.1
90°	0.0

(END OF REPORT)