

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: P365643

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-MW-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3042.0 lumens
Efficiency: N/A
Efficacy: 55.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

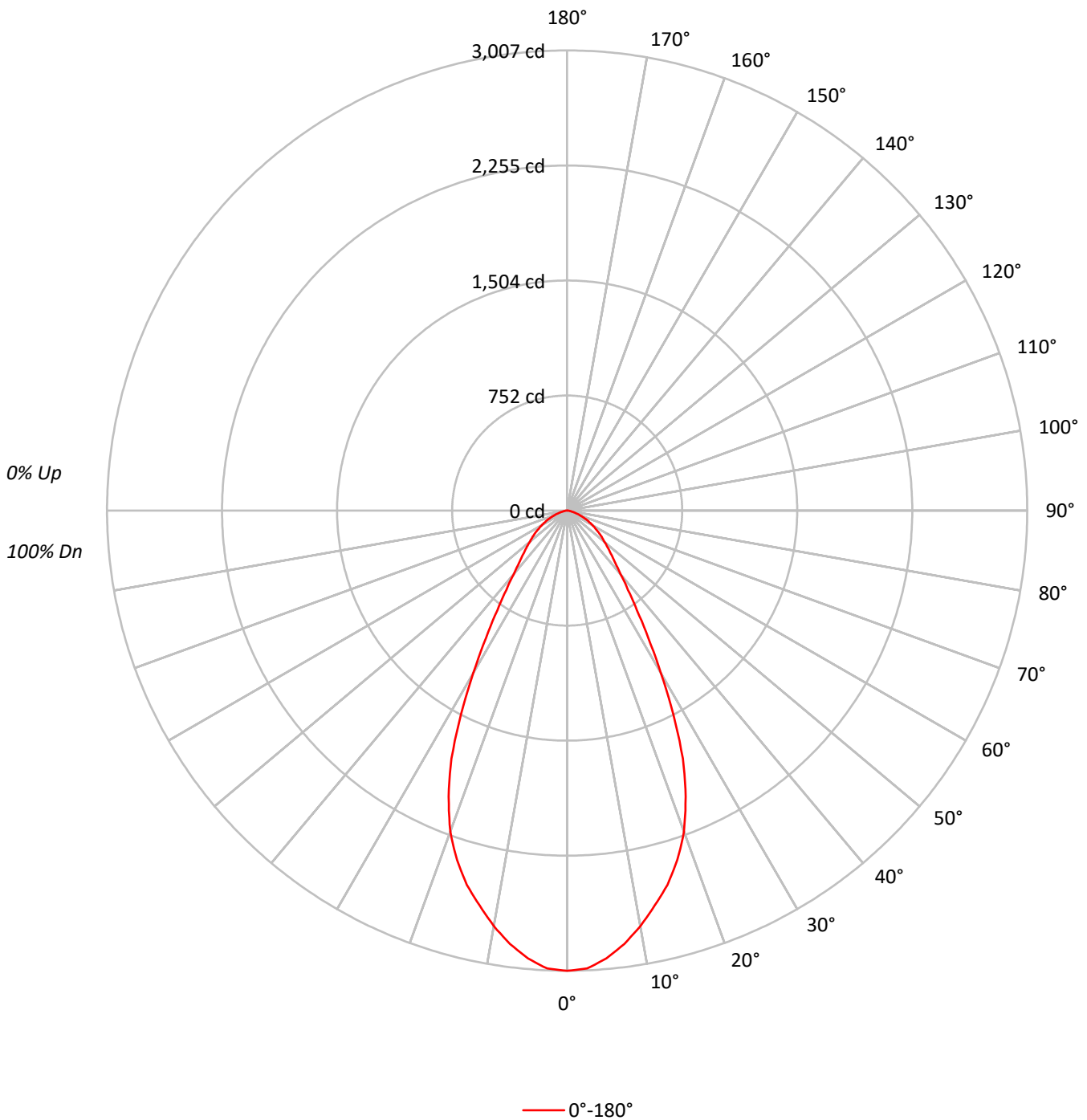
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87		91	88	85		88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76	72	69	68
5	87	78	71	66	85	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	215314
5°	211098
10°	200488
15°	187676
20°	170125
25°	141275
30°	101339
35°	69482
40°	50969
45°	41375
50°	35612
55°	31583
60°	27424
65°	23177
70°	18255
75°	13251
80°	8453
85°	9858



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.6	9.0
10°-20°	705.7	23.2
20°-30°	801.3	26.3
30°-40°	512.8	16.9
40°-50°	320.4	10.5
50°-60°	226.8	7.5
60°-70°	135.7	4.5
70°-80°	52.9	1.7
80°-90°	11.6	0.4
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°	1781.7	58.6
0°-40°	2294.5	75.4
0°-60°	2841.7	93.4
0°-90°	3042.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3042.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3007	
5°	2937	275
15°	2532	706
25°	1788	801
35°	795	513
45°	409	320
55°	253	227
65°	137	136
75°	48	53
85°	12	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3007.1
2.5°	2995.1
5°	2937.0
7.5°	2856.6
10°	2757.5
12.5°	2643.0
15°	2531.8
17.5°	2393.4
20°	2232.7
22.5°	2024.1
25°	1788.2
27.5°	1502.7
30°	1225.7
32.5°	984.7
35°	794.9
37.5°	653.0
40°	545.3
42.5°	465.0
45°	408.6
47.5°	360.7
50°	319.7
52.5°	287.2
55°	253.0
57.5°	220.5
60°	191.5
62.5°	162.4
65°	136.8
67.5°	111.1
70°	87.2
72.5°	66.7
75°	47.9
77.5°	32.5
80°	20.5
82.5°	13.7
85°	12.0
87.5°	6.8
90°	0.0

(END OF REPORT)