

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: P365664

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BL85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-37)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BL85
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.187", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4044.1 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

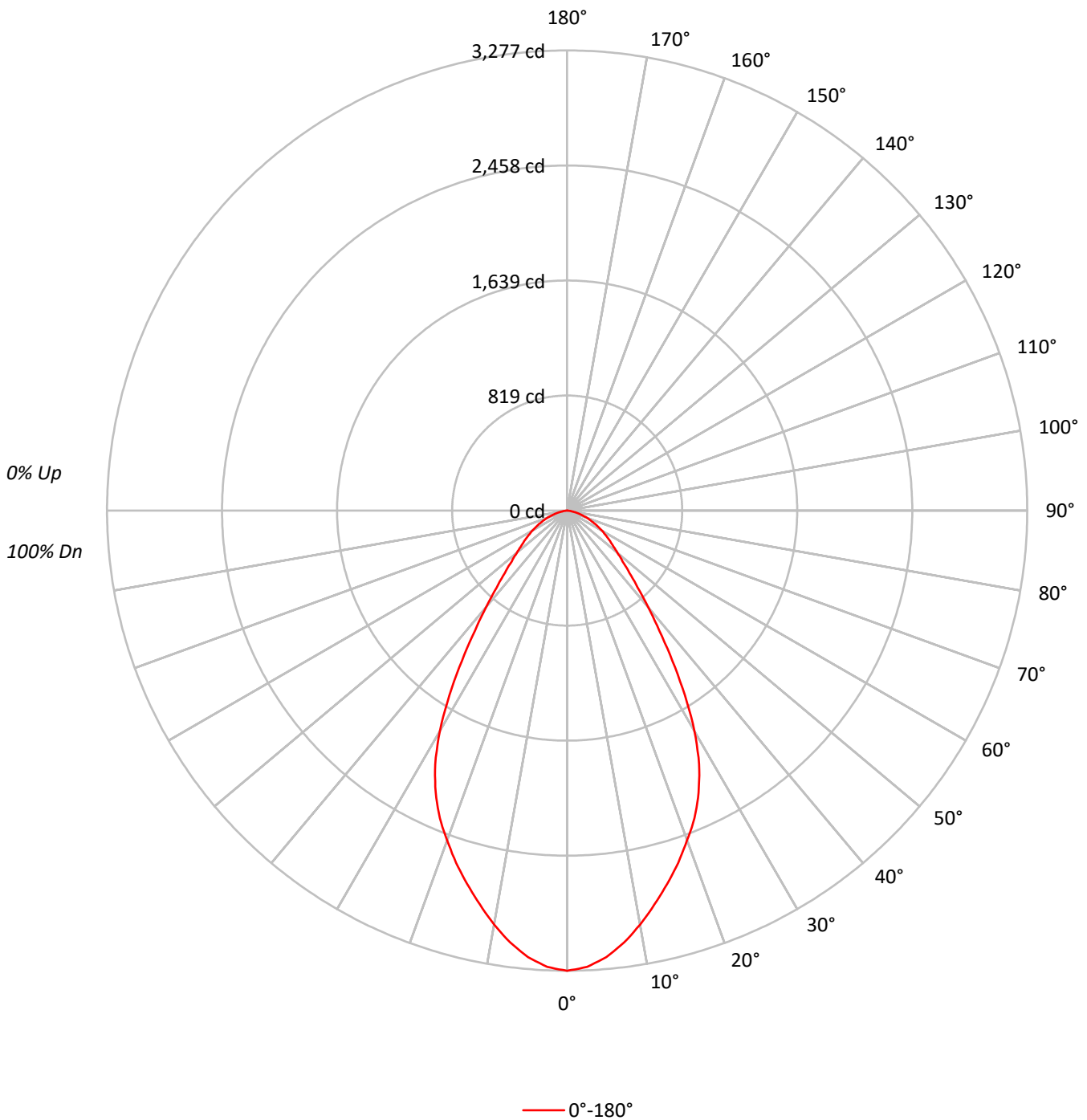
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	97		98	96	94		95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	63	57	52	62	56	51		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	89523
5°	87545
10°	83032
15°	77823
20°	72618
25°	66791
30°	57218
35°	43563
40°	31999
45°	24244
50°	19854
55°	17463
60°	15602
65°	13676
70°	11684
75°	9118
80°	6103
85°	2758



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.4	7.4
10°-20°	772.6	19.1
20°-30°	1006.8	24.9
30°-40°	820.8	20.3
40°-50°	496.9	12.3
50°-60°	330.0	8.2
60°-70°	211.1	5.2
70°-80°	93.5	2.3
80°-90°	13.9	0.3
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°	2077.7	51.4
0°-40°	2898.6	71.7
0°-60°	3725.5	92.1
0°-90°	4044.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4044.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3277	
5°	3193	298
15°	2752	773
25°	2216	1007
35°	1306	821
45°	628	497
55°	367	330
65°	212	211
75°	86	94
85°	9	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3277.4
2.5°	3252.7
5°	3192.8
7.5°	3102.9
10°	2993.6
12.5°	2873.7
15°	2752.0
17.5°	2630.4
20°	2498.2
22.5°	2371.2
25°	2216.1
27.5°	2036.3
30°	1814.1
32.5°	1560.2
35°	1306.4
37.5°	1077.2
40°	897.4
42.5°	744.0
45°	627.6
47.5°	535.9
50°	467.2
52.5°	410.8
55°	366.7
57.5°	324.4
60°	285.6
62.5°	248.6
65°	211.6
67.5°	178.1
70°	146.3
72.5°	114.6
75°	86.4
77.5°	61.7
80°	38.8
82.5°	21.2
85°	8.8
87.5°	1.8
90°	0.0

(END OF REPORT)