

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: P365665

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-MW-BL86**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365665
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-38)
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-BL86
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.250", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3993.0 lumens
Efficiency: N/A
Efficacy: 72.5 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

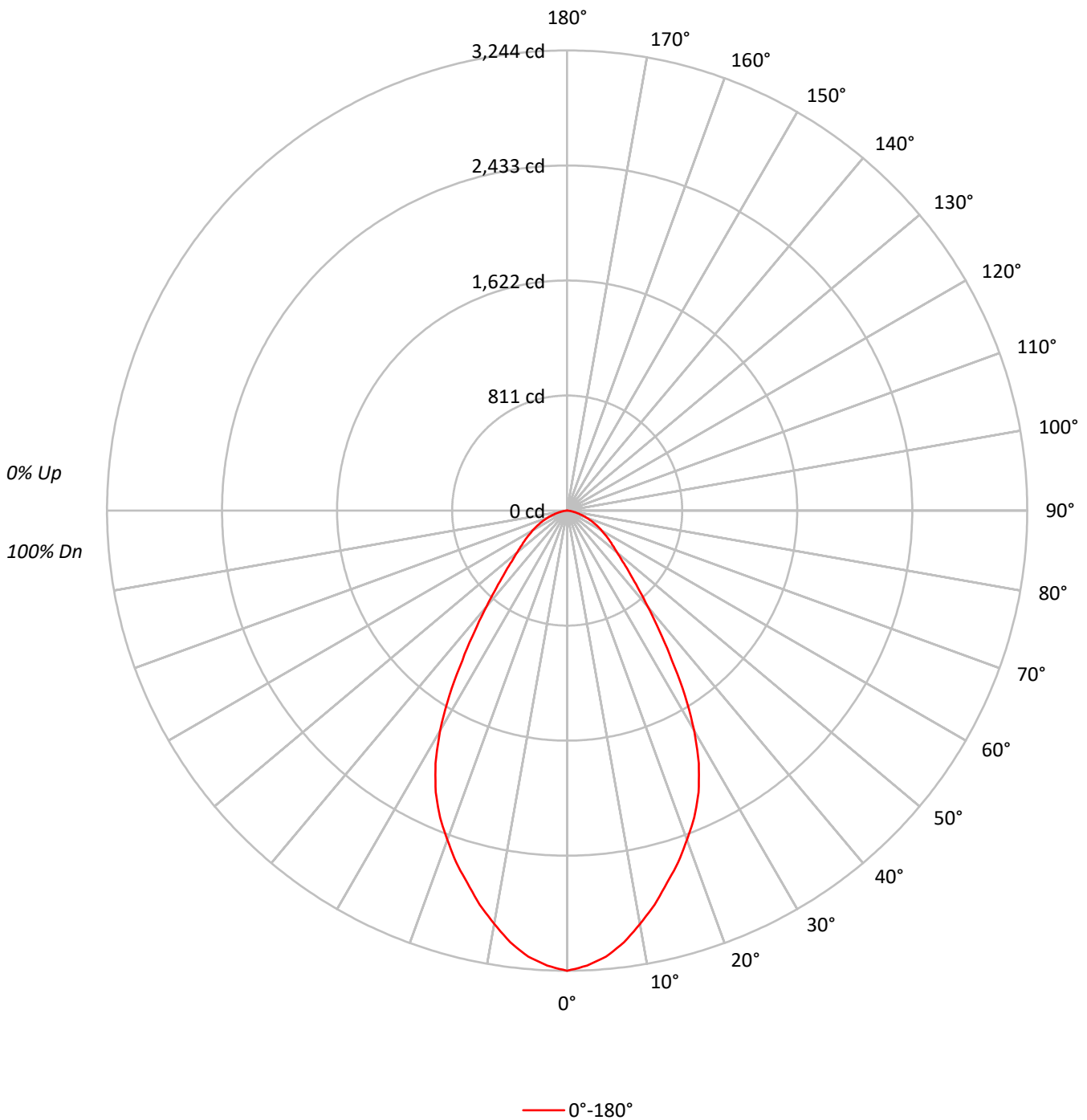
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95		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		83	78	75		80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68		76	71	67		74	70	67	65
5	85	75	68	63	84	74	67	62	72	66	62		70	65	61		69	64	61	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	64	57	52	62	56	52		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°	88622
5°	86542
10°	82070
15°	76845
20°	71770
25°	66074
30°	56474
35°	42956
40°	31482
45°	23962
50°	19548
55°	17206
60°	15307
65°	13437
70°	11397
75°	8929
80°	6103
85°	2758



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.0	7.4
10°-20°	763.9	19.1
20°-30°	994.5	24.9
30°-40°	811.6	20.3
40°-50°	490.7	12.3
50°-60°	325.0	8.1
60°-70°	206.8	5.2
70°-80°	91.6	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°	2053.4	51.4
0°-40°	2865.0	71.8
0°-60°	3680.6	92.2
0°-90°	3993.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3993.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3244	
5°	3156	295
15°	2717	764
25°	2192	995
35°	1288	812
45°	620	491
55°	361	325
65°	208	207
75°	85	92
85°	9	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3244.4
2.5°	3210.9
5°	3156.2
7.5°	3069.9
10°	2958.9
12.5°	2846.1
15°	2717.4
17.5°	2601.1
20°	2469.0
22.5°	2342.1
25°	2192.3
27.5°	2009.0
30°	1790.5
32.5°	1545.5
35°	1288.2
37.5°	1069.7
40°	882.9
42.5°	734.9
45°	620.3
47.5°	530.4
50°	460.0
52.5°	405.3
55°	361.3
57.5°	319.0
60°	280.2
62.5°	243.2
65°	207.9
67.5°	174.5
70°	142.7
72.5°	112.8
75°	84.6
77.5°	59.9
80°	38.8
82.5°	21.1
85°	8.8
87.5°	1.8
90°	0.0

(END OF REPORT)