

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: P365687

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365687
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-35)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8050-F6LBXVM1-MW-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3256.0 lumens
Efficiency: N/A
Efficacy: 59.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

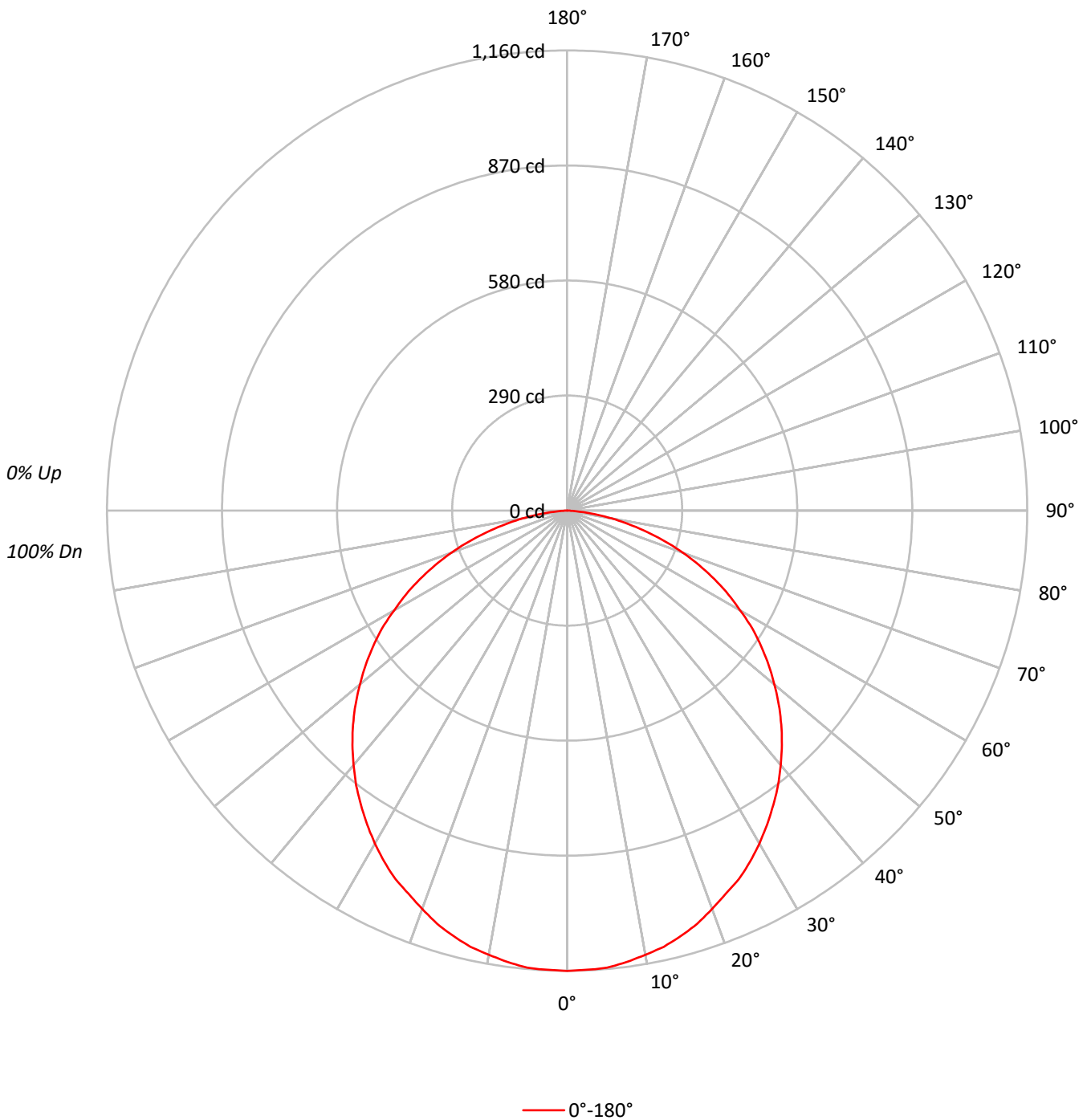
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	94	92		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75		82	78	74		79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47		58	51	46		56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36		48	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		44	37	32		42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29		40	34	29		39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	31699
5°	31722
10°	31537
15°	31387
20°	31057
25°	30896
30°	30569
35°	30211
40°	29860
45°	29490
50°	28990
55°	28450
60°	27506
65°	26480
70°	24790
75°	22100
80°	17885
85°	10750



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.7	3.4
10°-20°	313.0	9.6
20°-30°	471.6	14.5
30°-40°	567.1	17.4
40°-50°	588.5	18.1
50°-60°	533.4	16.4
60°-70°	404.8	12.4
70°-80°	221.4	6.8
80°-90°	46.4	1.4
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°	894.3	27.5
0°-40°	1461.5	44.9
0°-60°	2583.4	79.3
0°-90°	3256.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3256.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1160	
5°	1157	110
15°	1110	313
25°	1025	472
35°	906	567
45°	763	589
55°	597	533
65°	410	405
75°	209	221
85°	34	46
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1160.5
2.5°	1158.7
5°	1156.9
7.5°	1147.8
10°	1137.0
12.5°	1126.2
15°	1109.9
17.5°	1091.9
20°	1068.4
22.5°	1045.0
25°	1025.1
27.5°	998.1
30°	969.2
32.5°	938.5
35°	906.0
37.5°	873.5
40°	837.4
42.5°	801.3
45°	763.4
47.5°	723.7
50°	682.2
52.5°	640.7
55°	597.4
57.5°	554.1
60°	503.5
62.5°	458.4
65°	409.7
67.5°	361.0
70°	310.4
72.5°	259.9
75°	209.4
77.5°	158.8
80°	113.7
82.5°	70.4
85°	34.3
87.5°	9.0
90°	0.0

(END OF REPORT)