

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: P366389

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8040-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366389
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-46)
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-WMH-BL89BW
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS ACRYLIC OPAL SMOOTH, CLEAR 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3556.0 lumens
Efficiency: N/A
Efficacy: 64.5 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

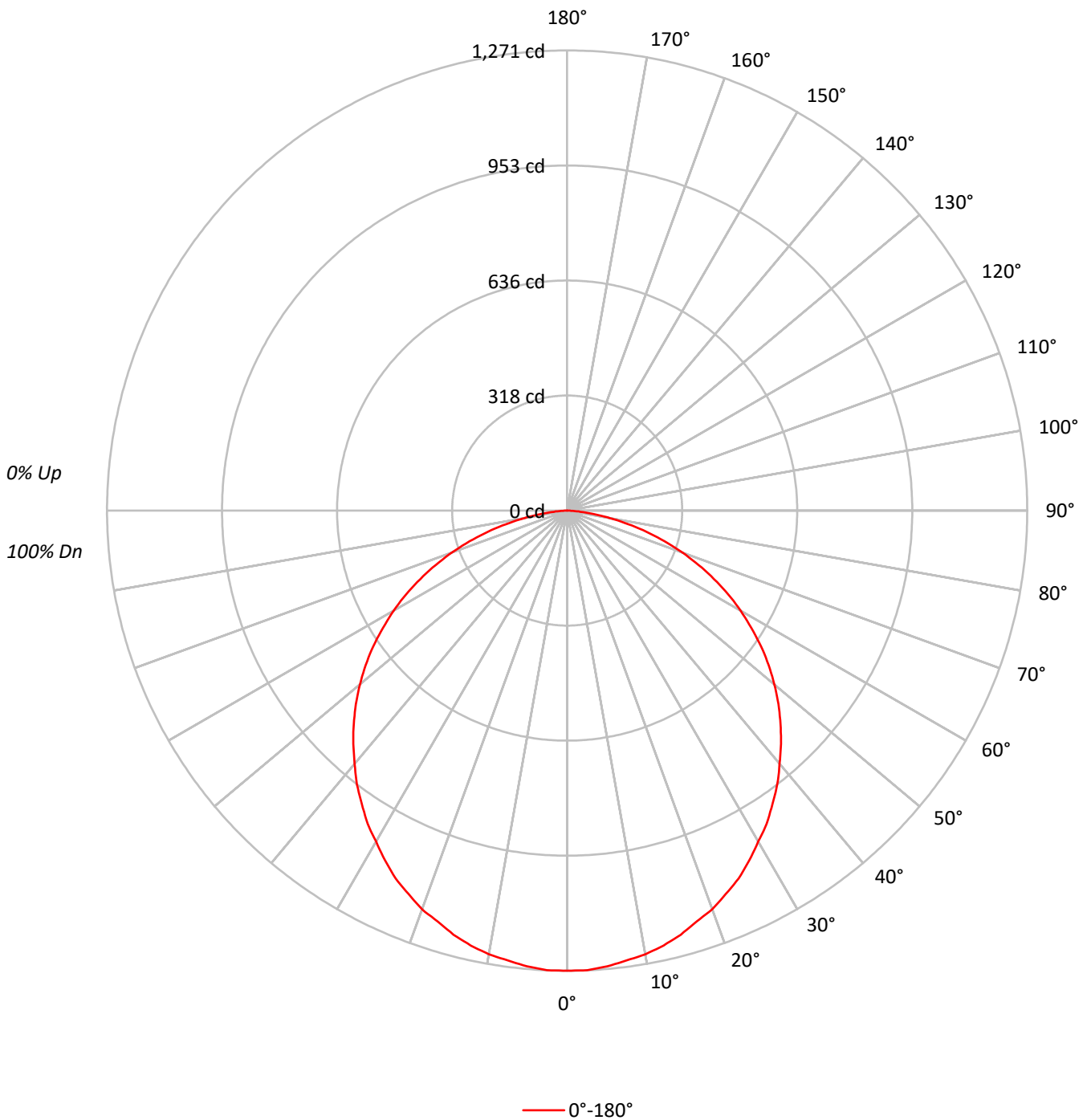
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	76	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	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	46	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°	34712
5°	34653
10°	34515
15°	34294
20°	34071
25°	33786
30°	33301
35°	32972
40°	32555
45°	32206
50°	31757
55°	31140
60°	30238
65°	28936
70°	27026
75°	23999
80°	19128
85°	11596



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.0	3.4
10°-20°	342.0	9.6
20°-30°	515.7	14.5
30°-40°	619.0	17.4
40°-50°	642.9	18.1
50°-60°	583.4	16.4
60°-70°	442.6	12.4
70°-80°	240.4	6.8
80°-90°	50.1	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°	977.6	27.5
0°-40°	1596.6	44.9
0°-60°	2822.9	79.4
0°-90°	3556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3556.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1271	
5°	1264	120
15°	1213	342
25°	1121	516
35°	989	619
45°	834	643
55°	654	583
65°	448	443
75°	227	240
85°	37	50
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1270.8
2.5°	1270.8
5°	1263.8
7.5°	1253.2
10°	1244.4
12.5°	1230.3
15°	1212.7
17.5°	1189.8
20°	1172.1
22.5°	1145.7
25°	1121.0
27.5°	1089.3
30°	1055.8
32.5°	1025.8
35°	988.8
37.5°	953.6
40°	913.0
42.5°	874.3
45°	833.7
47.5°	791.4
50°	747.3
52.5°	701.5
55°	653.9
57.5°	602.8
60°	553.5
62.5°	502.3
65°	447.7
67.5°	393.1
70°	338.4
72.5°	282.0
75°	227.4
77.5°	172.7
80°	121.6
82.5°	75.8
85°	37.0
87.5°	10.6
90°	0.0

(END OF REPORT)