

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: P366335

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-WMH-BL89BW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366335
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-FEU6B35-8027-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: 3300.0 lumens
Efficiency: N/A
Efficacy: 59.9 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

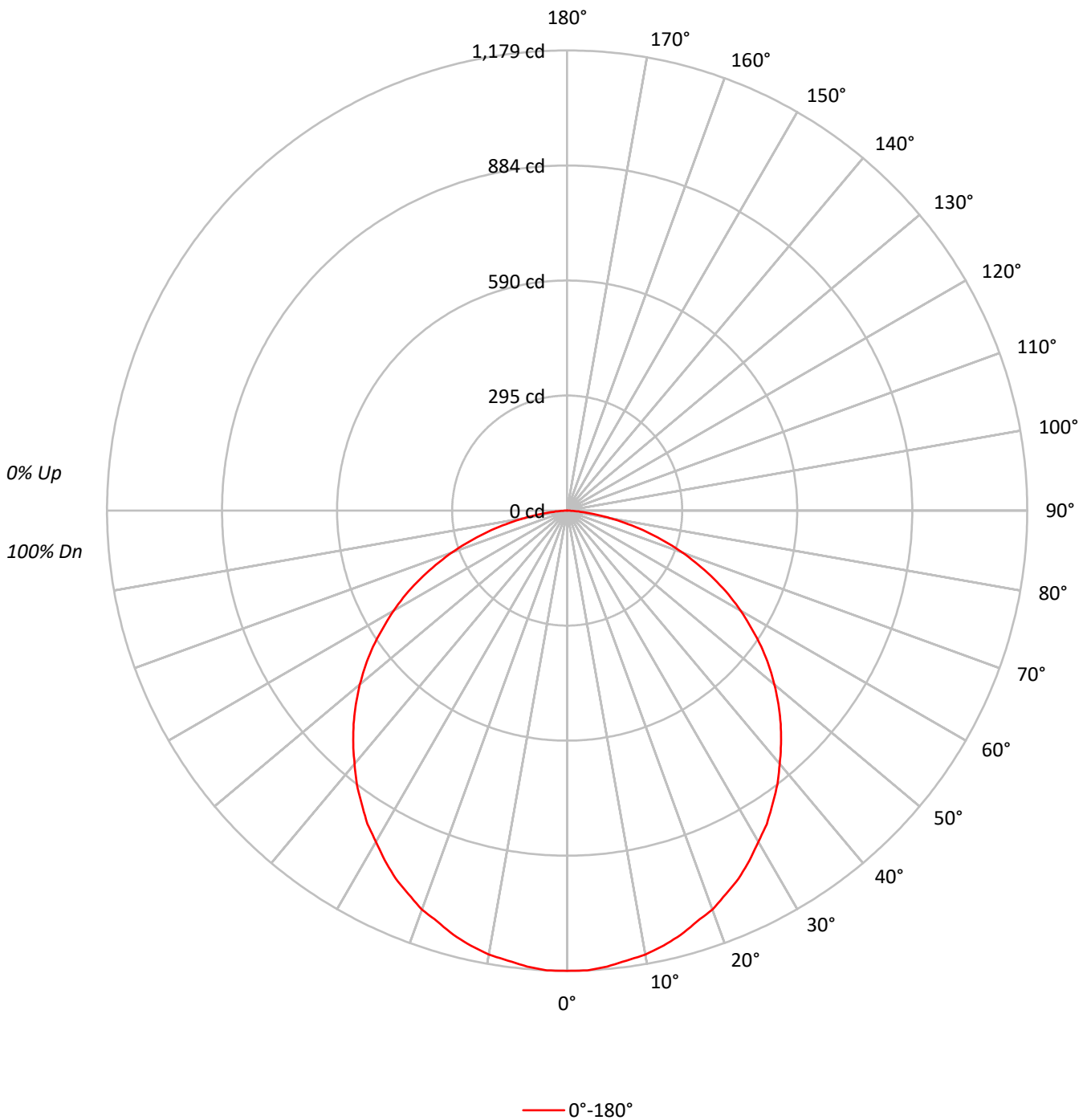
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	32213
5°	32158
10°	32030
15°	31825
20°	31618
25°	31354
30°	30904
35°	30598
40°	30213
45°	29888
50°	29470
55°	28897
60°	28058
65°	26855
70°	25085
75°	22269
80°	17759
85°	10750



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.3	3.4
10°-20°	317.4	9.6
20°-30°	478.6	14.5
30°-40°	574.4	17.4
40°-50°	596.6	18.1
50°-60°	541.4	16.4
60°-70°	410.8	12.4
70°-80°	223.1	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°	907.2	27.5
0°-40°	1481.7	44.9
0°-60°	2619.7	79.4
0°-90°	3300.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3300.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1179	
5°	1173	111
15°	1125	317
25°	1040	479
35°	918	574
45°	774	597
55°	607	541
65°	416	411
75°	211	223
85°	34	46
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1179.3
2.5°	1179.3
5°	1172.8
7.5°	1163.0
10°	1154.8
12.5°	1141.7
15°	1125.4
17.5°	1104.1
20°	1087.7
22.5°	1063.2
25°	1040.3
27.5°	1010.9
30°	979.8
32.5°	952.0
35°	917.6
37.5°	884.9
40°	847.3
42.5°	811.3
45°	773.7
47.5°	734.4
50°	693.5
52.5°	651.0
55°	606.8
57.5°	559.4
60°	513.6
62.5°	466.2
65°	415.5
67.5°	364.8
70°	314.1
72.5°	261.7
75°	211.0
77.5°	160.3
80°	112.9
82.5°	70.3
85°	34.3
87.5°	9.8
90°	0.0

(END OF REPORT)