

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: P365631

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-MW-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365631
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-40)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX50D010TE-FEU6B35-8030-F6LBXVM1-MW-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1736.0 lumens
Efficiency: N/A
Efficacy: 31.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

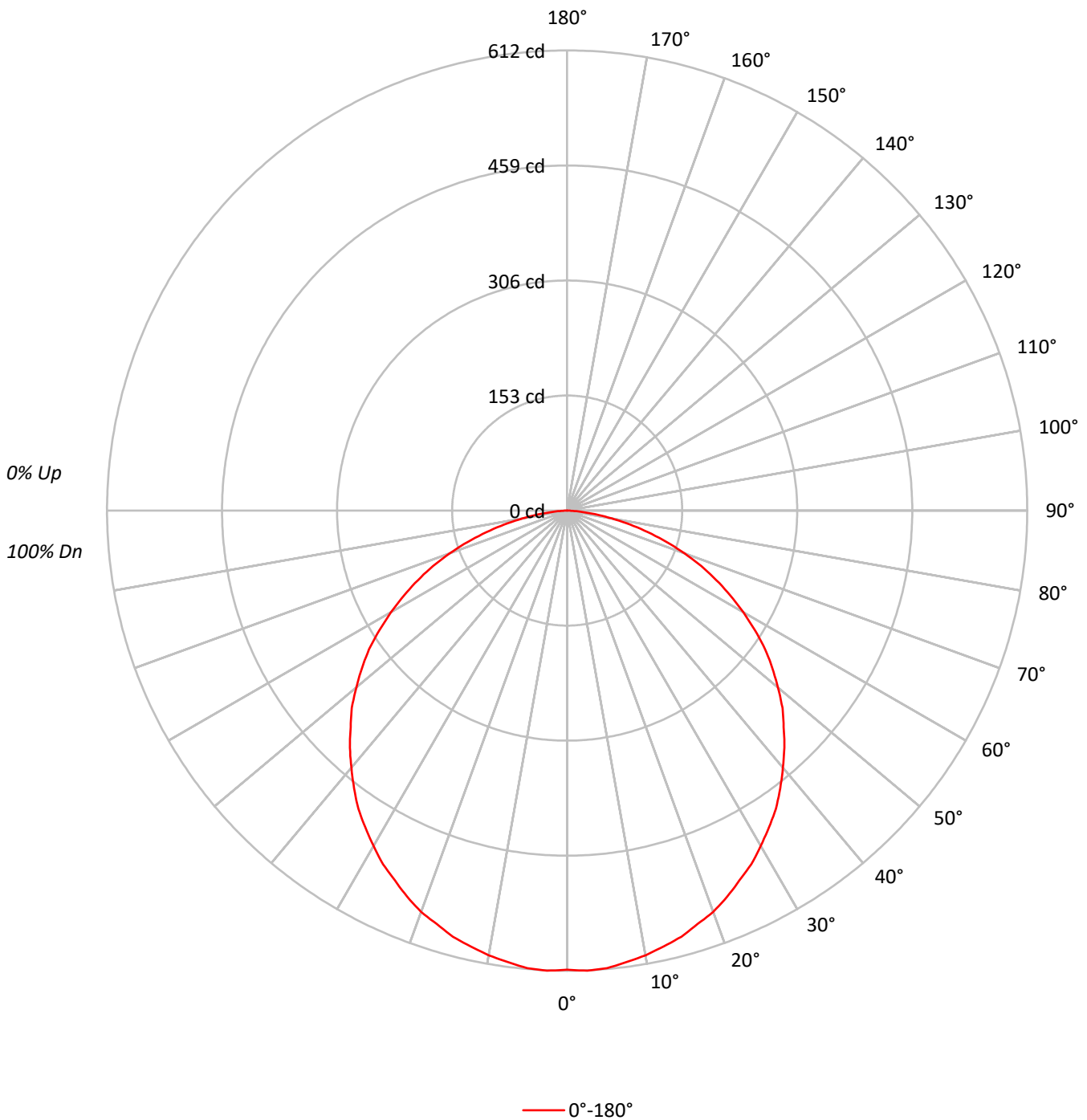
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	82	70	62	55	80	69	61	55	67	59	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46		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	42	36	63	50	42	36	49	41	36		47	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29		40	33	29		39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	16684
5°	16748
10°	16656
15°	16594
20°	16511
25°	16347
30°	16244
35°	16146
40°	15921
45°	15730
50°	15557
55°	15315
60°	14767
65°	14155
70°	13258
75°	11736
80°	9422
85°	5359



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.9	3.3
10°-20°	165.4	9.5
20°-30°	250.4	14.4
30°-40°	302.3	17.4
40°-50°	314.7	18.1
50°-60°	286.2	16.5
60°-70°	216.5	12.5
70°-80°	118.1	6.8
80°-90°	24.4	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°	473.8	27.3
0°-40°	776.1	44.7
0°-60°	1376.9	79.3
0°-90°	1736.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1736.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	611	
5°	611	58
15°	587	165
25°	542	250
35°	484	302
45°	407	315
55°	322	286
65°	219	217
75°	111	118
85°	17	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	610.8
2.5°	612.5
5°	610.8
7.5°	605.7
10°	600.5
12.5°	593.7
15°	586.8
17.5°	576.6
20°	568.0
22.5°	556.0
25°	542.4
27.5°	530.4
30°	515.0
32.5°	499.6
35°	484.2
37.5°	465.4
40°	446.5
42.5°	427.7
45°	407.2
47.5°	388.4
50°	366.1
52.5°	343.9
55°	321.6
57.5°	296.0
60°	270.3
62.5°	244.7
65°	219.0
67.5°	193.3
70°	166.0
72.5°	138.6
75°	111.2
77.5°	85.5
80°	59.9
82.5°	37.6
85°	17.1
87.5°	5.1
90°	0.0

(END OF REPORT)