

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: P364893

Luminaire Tested: **FLD6BX50D010TE-FEU6B35-8027-F6LBXVM1-LI-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-44)
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-LI-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 5000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1878.1 lumens
Efficiency: N/A
Efficacy: 34.1 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

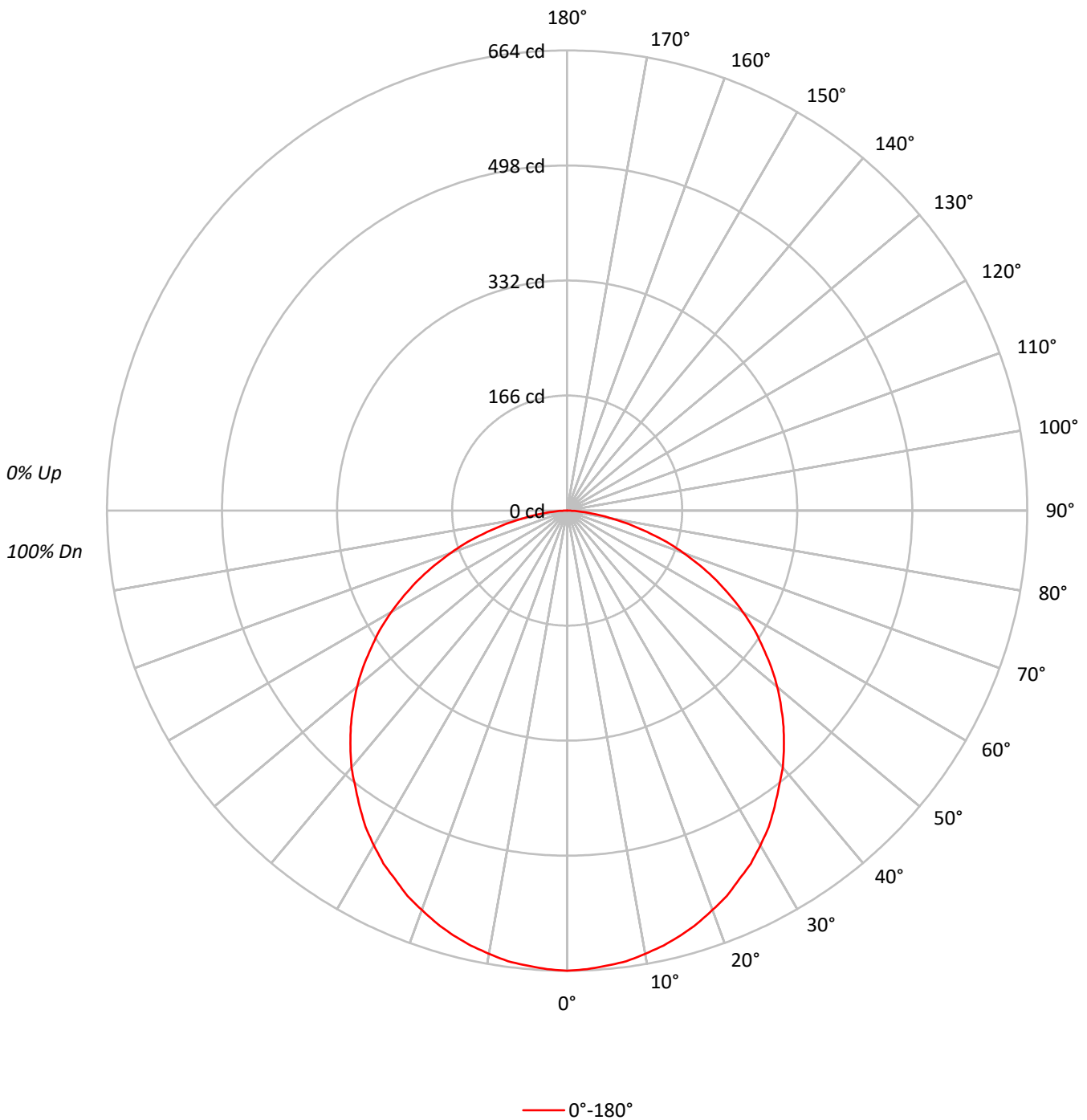
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94	98	94	91		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	68	63		72	67	62		70	65	61	59
4	82	70	62	55	80	69	61	54	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°	18137
5°	18072
10°	18009
15°	17946
20°	17828
25°	17698
30°	17590
35°	17396
40°	17262
45°	17059
50°	16820
55°	16435
60°	15996
65°	15331
70°	14240
75°	12601
80°	10288
85°	6676



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.7	3.3
10°-20°	179.0	9.5
20°-30°	271.0	14.4
30°-40°	326.7	17.4
40°-50°	340.4	18.1
50°-60°	308.9	16.4
60°-70°	233.9	12.5
70°-80°	127.4	6.8
80°-90°	28.0	1.5
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
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0°-30°	512.7	27.3
0°-40°	839.4	44.7
0°-60°	1488.8	79.3
0°-90°	1878.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1878.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	664	
5°	659	63
15°	635	179
25°	587	271
35°	522	327
45°	442	340
55°	345	309
65°	237	234
75°	119	127
85°	21	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	664.0
2.5°	662.4
5°	659.1
7.5°	655.9
10°	649.3
12.5°	642.8
15°	634.6
17.5°	624.8
20°	613.3
22.5°	601.9
25°	587.2
27.5°	574.1
30°	557.7
32.5°	541.4
35°	521.7
37.5°	502.1
40°	484.1
42.5°	462.9
45°	441.6
47.5°	418.7
50°	395.8
52.5°	371.3
55°	345.1
57.5°	320.6
60°	292.8
62.5°	265.0
65°	237.2
67.5°	207.7
70°	178.3
72.5°	150.5
75°	119.4
77.5°	91.6
80°	65.4
82.5°	40.9
85°	21.3
87.5°	8.2
90°	0.0

(END OF REPORT)