

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: P365669

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365669
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-FEU6B35-8040-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: 3179.0 lumens
Efficiency: N/A
Efficacy: 57.7 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

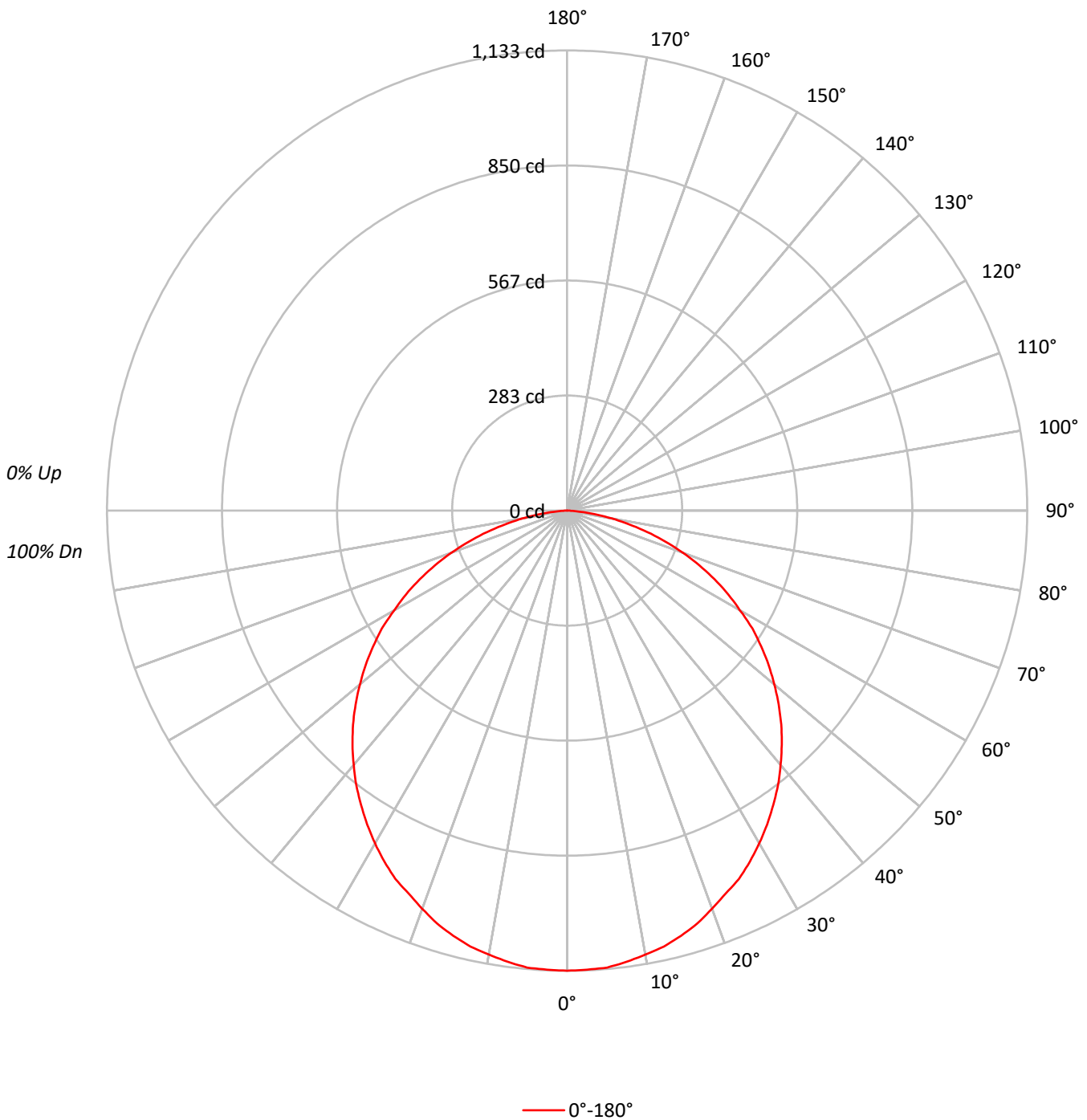
Input Watts (W): 55.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	30948
5°	30970
10°	30790
15°	30646
20°	30324
25°	30166
30°	29847
35°	29498
40°	29154
45°	28795
50°	28306
55°	27778
60°	26856
65°	25853
70°	24207
75°	21572
80°	17461
85°	10499



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.1	3.4
10°-20°	305.6	9.6
20°-30°	460.5	14.5
30°-40°	553.7	17.4
40°-50°	574.6	18.1
50°-60°	520.8	16.4
60°-70°	395.2	12.4
70°-80°	216.2	6.8
80°-90°	45.3	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°	873.2	27.5
0°-40°	1426.9	44.9
0°-60°	2522.4	79.3
0°-90°	3179.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3179.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1133	
5°	1130	107
15°	1084	306
25°	1001	460
35°	885	554
45°	745	575
55°	583	521
65°	400	395
75°	204	216
85°	34	45
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1133.0
2.5°	1131.3
5°	1129.5
7.5°	1120.7
10°	1110.1
12.5°	1099.6
15°	1083.7
17.5°	1066.1
20°	1043.2
22.5°	1020.3
25°	1000.9
27.5°	974.4
30°	946.3
32.5°	916.3
35°	884.6
37.5°	852.9
40°	817.6
42.5°	782.4
45°	745.4
47.5°	706.6
50°	666.1
52.5°	625.6
55°	583.3
57.5°	541.0
60°	491.6
62.5°	447.6
65°	400.0
67.5°	352.4
70°	303.1
72.5°	253.7
75°	204.4
77.5°	155.1
80°	111.0
82.5°	68.7
85°	33.5
87.5°	8.8
90°	0.0

(END OF REPORT)