

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P895134

Luminaire Tested: 8TMB-6SL-LVRF-UNV-L835

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895134
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-175-7)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-6SL-LVRF-UNV-L835
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with LOUVER WITH FROSTED INLAY, 80CRI, 3500K C
Light Source: -
Ballast/Driver: -

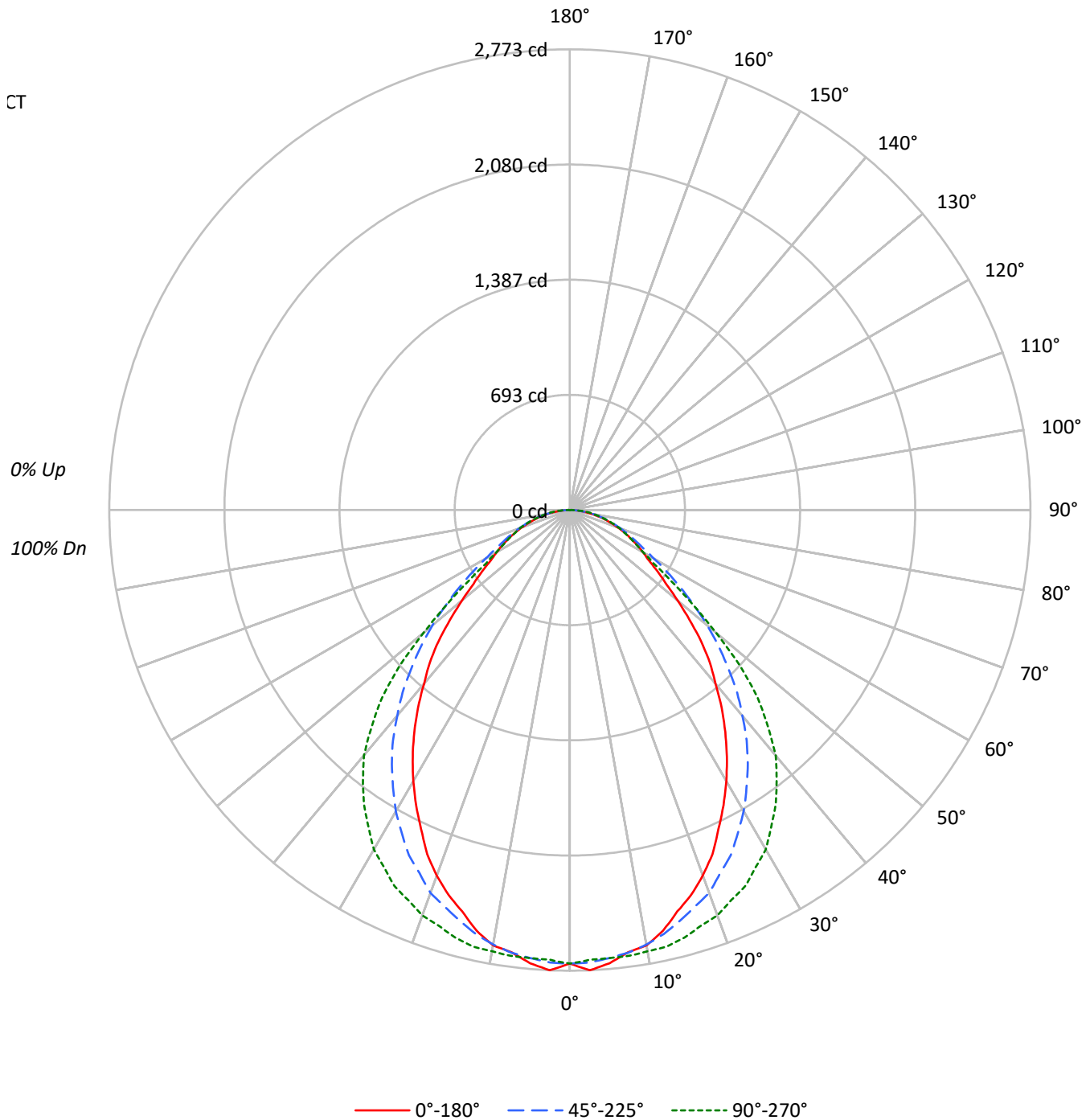
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5674.0 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.27 / 1.23
Luminous Opening: Rectangular (W 0.38' x L: 7.98' x H: 0')
CIE Type: Direct

Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.51
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	89	89	89	87
2	102	94	88	83	99	92	87	82	89	84	80	86	82	79	83	80	77	77	77	77	75
3	94	84	77	71	91	83	76	70	80	74	69	77	72	68	75	71	67	67	67	67	65
4	87	76	68	62	84	74	67	61	72	66	60	70	64	60	68	63	59	59	59	59	57
5	80	68	60	54	78	67	60	54	65	59	53	63	58	53	62	56	52	52	52	52	50
6	75	62	54	48	73	61	54	48	60	53	48	58	52	47	56	51	47	47	47	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	42	42	42	40
8	65	52	44	39	63	52	44	39	50	44	39	49	43	38	48	42	38	38	38	38	36
9	61	48	41	35	60	48	40	35	47	40	35	46	39	35	45	39	35	35	35	35	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	32	32	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9687	9687	9687
5°	9754	9643	9643
10°	9585	9570	9718
15°	9189	9403	9789
20°	8840	9263	9804
25°	8293	8976	9782
30°	7718	8579	9667
35°	7065	8092	9359
40°	6326	7483	8930
45°	5613	6775	8029
50°	4670	5964	6332
55°	3978	5024	4602
60°	3606	4151	3637
65°	3397	3635	3385
70°	3196	3373	3299
75°	2978	3211	3153
80°	2728	2959	3047
85°	2369	2601	3412

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 8029 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.5	4.6
10°-20°	727.3	12.8
20°-30°	1056.2	18.6
30°-40°	1176.2	20.7
40°-50°	1039.1	18.3
50°-60°	681.8	12.0
60°-70°	417.5	7.4
70°-80°	243.0	4.3
80°-90°	74.4	1.3
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°	2042.0	36.0
0°-40°	3218.2	56.7
0°-60°	4939.1	87.0
0°-90°	5674.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5674.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2730	2730	2730	2730	2730	
5°	2739	2740	2707	2734	2707	258
15°	2502	2530	2560	2660	2665	706
25°	2118	2169	2293	2439	2499	975
35°	1631	1719	1868	2066	2161	1017
45°	1119	1187	1350	1532	1600	856
55°	643	689	812	805	744	583
65°	405	412	433	420	403	402
75°	217	220	234	238	230	230
85°	58	61	64	72	84	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2730.1	2730.1	2730.1	2730.1	2730.1
2.5°	2772.7	2738.6	2725.8	2738.6	2710.2
5°	2738.6	2740.0	2707.4	2734.3	2707.4
7.5°	2684.6	2703.1	2687.5	2728.6	2707.4
10°	2660.5	2661.9	2656.2	2698.8	2697.4
12.5°	2593.8	2598.0	2613.7	2677.5	2691.7
15°	2501.5	2529.9	2559.7	2660.5	2664.8
17.5°	2429.1	2463.2	2502.9	2610.8	2623.6
20°	2341.1	2355.3	2453.2	2548.3	2596.6
22.5°	2243.1	2270.1	2365.2	2493.0	2541.2
25°	2118.2	2169.3	2292.8	2439.0	2498.7
27.5°	2003.2	2062.8	2190.6	2353.9	2423.4
30°	1883.9	1952.1	2094.0	2254.5	2359.5
32.5°	1760.4	1845.6	1980.5	2165.0	2257.3
35°	1631.2	1719.2	1868.3	2065.7	2160.8
37.5°	1502.0	1587.2	1749.1	1960.6	2045.8
40°	1365.7	1449.5	1615.6	1830.0	1927.9
42.5°	1247.9	1320.3	1490.7	1673.8	1764.7
45°	1118.7	1186.9	1350.1	1531.8	1600.0
47.5°	976.7	1056.3	1215.3	1364.3	1391.3
50°	846.1	928.5	1080.4	1167.0	1147.1
52.5°	731.1	800.7	939.8	976.7	929.9
55°	643.1	688.6	812.1	805.0	743.9
57.5°	562.2	590.6	695.6	655.9	597.7
60°	508.2	521.0	584.9	548.0	512.5
62.5°	457.1	462.8	496.9	477.0	450.0
65°	404.6	411.7	433.0	420.2	403.2
67.5°	356.3	359.2	379.1	376.2	354.9
70°	308.1	312.3	325.1	330.8	318.0
72.5°	261.2	265.5	278.3	283.9	272.6
75°	217.2	220.1	234.2	238.5	230.0
77.5°	174.6	180.3	188.8	195.9	186.0
80°	133.5	136.3	144.8	153.3	149.1
82.5°	93.7	98.0	103.6	115.0	117.8
85°	58.2	61.0	63.9	72.4	83.8
87.5°	22.7	24.1	28.4	31.2	41.2
90°	0.0	0.0	0.0	0.0	0.0



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.42	16.90	15.78	17.21	17.53	16.07	17.55	16.44	17.87	18.18
	3H	17.02	18.35	17.40	18.67	19.04	17.51	18.83	17.88	19.16	19.52
	4H	17.64	18.88	18.04	19.23	19.61	18.11	19.35	18.51	19.70	20.08
	6H	18.11	19.25	18.52	19.62	20.01	18.60	19.75	19.01	20.11	20.50
	8H	18.26	19.35	18.69	19.74	20.14	18.80	19.89	19.22	20.28	20.68
	12H	18.36	19.40	18.79	19.79	20.22	18.96	20.01	19.39	20.39	20.82
4H	2H	16.04	17.28	16.44	17.63	18.01	16.56	17.81	16.96	18.16	18.54
	3H	17.86	18.89	18.27	19.29	19.69	18.26	19.29	18.67	19.69	20.09
	4H	18.60	19.53	19.03	19.94	20.38	19.02	19.94	19.45	20.36	20.80
	6H	19.20	20.00	19.66	20.45	20.91	19.65	20.46	20.11	20.90	21.36
	8H	19.39	20.15	19.86	20.59	21.06	19.91	20.66	20.37	21.10	21.57
	12H	19.54	20.21	20.02	20.69	21.16	20.13	20.80	20.61	21.28	21.75
8H	4H	18.92	19.67	19.38	20.12	20.58	19.29	20.04	19.75	20.48	20.95
	6H	19.64	20.27	20.14	20.76	21.24	20.06	20.68	20.56	21.17	21.65
	8H	19.92	20.48	20.43	20.99	21.47	20.40	20.97	20.92	21.48	21.96
	12H	20.13	20.63	20.64	21.12	21.69	20.72	21.22	21.23	21.71	22.28
12H	4H	18.95	19.62	19.44	20.10	20.58	19.31	19.98	19.79	20.46	20.93
	6H	19.71	20.27	20.22	20.78	21.27	20.11	20.67	20.62	21.18	21.67
	8H	20.04	20.54	20.55	21.03	21.59	20.51	21.01	21.02	21.50	22.07