

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: P895122

Luminaire Tested: 8TMB-6SL-LVR-UNV-L935

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895122
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-175-8)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-6SL-LVR-UNV-L935
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with LOUVER, 90CRI, 3500K CCT
Light Source: -
Ballast/Driver: -

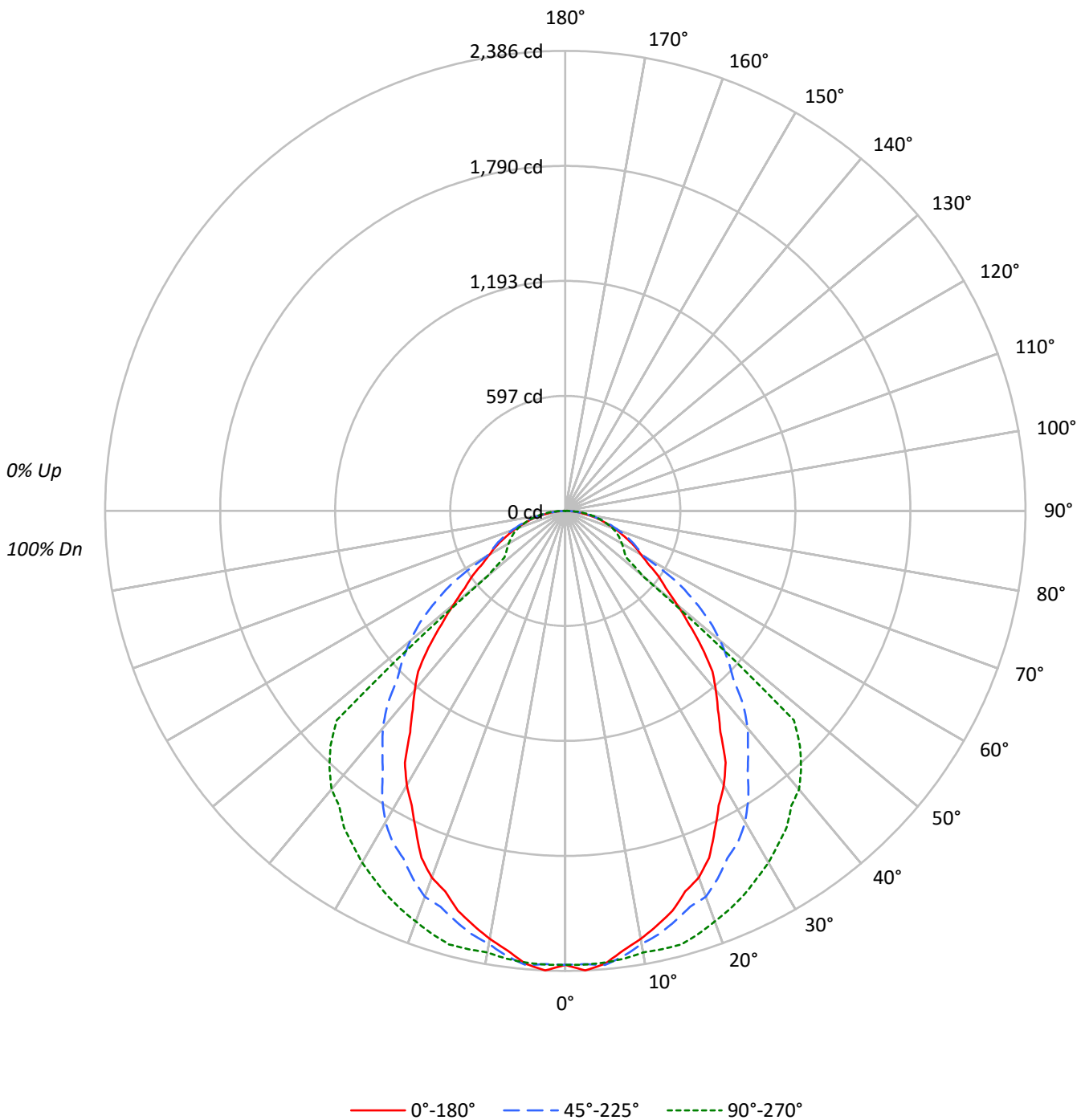
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5024.0 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.32 / 1.27
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	71	80	74	69	77	72	68	75	71	67	67	67	67	65
4	87	76	68	62	84	74	67	61	72	66	61	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	57	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	43	39	49	43	38	48	42	38	38	38	38	36
9	61	48	40	35	59	48	40	35	47	40	35	45	39	35	44	39	35	35	35	35	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	41	36	32	32	32	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8353	8353	8353
5°	8398	8419	8376
10°	8123	8218	8378
15°	7888	8087	8551
20°	7641	8040	8558
25°	7169	7781	8595
30°	6734	7641	8631
35°	6073	7146	8672
40°	5625	6817	8732
45°	5032	6178	8634
50°	4175	5788	2900
55°	3637	5080	2320
60°	3217	3310	2406
65°	3059	3221	2554
70°	2868	3044	2694
75°	2671	2868	2769
80°	2432	2703	2899
85°	2154	2300	3135

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 8634 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.3	4.4
10°-20°	628.2	12.5
20°-30°	924.1	18.4
30°-40°	1056.8	21.0
40°-50°	1000.7	19.9
50°-60°	551.3	11.0
60°-70°	354.0	7.0
70°-80°	218.5	4.3
80°-90°	67.2	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°	1775.6	35.3
0°-40°	2832.3	56.4
0°-60°	4384.3	87.3
0°-90°	5024.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5024.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2354	2354	2354	2354	2354	
5°	2358	2377	2364	2364	2352	221
15°	2147	2174	2202	2317	2328	603
25°	1831	1913	1988	2117	2196	843
35°	1402	1522	1650	1889	2002	886
45°	1003	1098	1231	1580	1721	767
55°	588	617	821	423	375	526
65°	364	376	384	342	304	361
75°	195	198	209	220	202	207
85°	53	53	56	65	77	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2354.3	2354.3	2354.3	2354.3	2354.3
2.5°	2385.5	2391.5	2353.1	2351.8	2355.5
5°	2357.9	2377.1	2363.9	2363.9	2351.8
7.5°	2298.9	2331.4	2327.8	2355.5	2342.2
10°	2254.5	2280.9	2280.9	2353.1	2325.4
12.5°	2201.6	2231.6	2248.4	2324.2	2327.8
15°	2147.4	2173.9	2201.6	2317.0	2327.8
17.5°	2069.3	2117.4	2152.3	2265.3	2300.1
20°	2023.6	2052.5	2129.4	2220.8	2266.5
22.5°	1947.9	1989.9	2064.5	2166.7	2234.0
25°	1831.2	1913.0	1987.5	2117.4	2195.5
27.5°	1723.0	1784.3	1938.2	2075.3	2149.9
30°	1643.6	1691.7	1864.9	2014.0	2106.6
32.5°	1547.5	1625.6	1766.3	1953.9	2052.5
35°	1402.0	1522.2	1649.7	1888.9	2002.0
37.5°	1299.8	1382.7	1555.9	1821.6	1926.2
40°	1214.4	1290.2	1471.7	1737.4	1885.3
42.5°	1129.0	1190.4	1365.9	1674.9	1809.6
45°	1002.8	1097.8	1231.2	1579.9	1720.6
47.5°	870.5	971.5	1143.5	1499.4	1607.6
50°	756.3	836.9	1048.5	1339.4	525.4
52.5°	656.5	731.0	947.5	484.6	396.8
55°	588.0	616.8	821.2	423.2	375.1
57.5°	506.2	553.1	689.0	402.8	355.9
60°	453.3	473.7	466.5	382.4	339.1
62.5°	411.2	425.6	423.2	361.9	319.8
65°	364.3	376.3	383.6	341.5	304.2
67.5°	317.4	328.2	339.1	316.2	282.6
70°	276.5	283.8	293.4	286.2	259.7
72.5°	234.5	242.9	248.9	254.9	229.7
75°	194.8	198.4	209.2	220.0	202.0
77.5°	158.7	162.3	169.5	181.6	171.9
80°	119.0	122.6	132.3	141.9	141.9
82.5°	84.2	86.6	92.6	105.8	111.8
85°	52.9	52.9	56.5	64.9	77.0
87.5°	20.4	20.4	24.0	28.9	38.5
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	15.33	16.81	15.69	17.12	17.44	13.13	14.61	13.49	14.92	15.24
	3H	16.85	18.18	17.23	18.51	18.87	15.46	16.78	15.84	17.11	17.48
	4H	17.44	18.69	17.84	19.04	19.41	16.41	17.65	16.81	18.00	18.38
	6H	17.90	19.05	18.31	19.41	19.81	17.19	18.34	17.60	18.71	19.10
	8H	18.04	19.14	18.47	19.53	19.93	17.50	18.60	17.93	18.99	19.39
	12H	18.14	19.19	18.57	19.57	20.00	17.75	18.80	18.18	19.18	19.61
4H	2H	15.88	17.12	16.28	17.47	17.85	14.23	15.47	14.63	15.82	16.20
	3H	17.65	18.68	18.06	19.08	19.48	16.68	17.71	17.09	18.11	18.51
	4H	18.37	19.29	18.80	19.71	20.15	17.74	18.67	18.18	19.09	19.52
	6H	18.95	19.76	19.41	20.20	20.66	18.63	19.44	19.09	19.88	20.34
	8H	19.14	19.90	19.61	20.34	20.81	18.98	19.74	19.45	20.18	20.65
	12H	19.28	19.95	19.76	20.43	20.90	19.27	19.94	19.75	20.42	20.89
8H	4H	18.67	19.43	19.14	19.87	20.34	18.13	18.88	18.59	19.33	19.80
	6H	19.39	20.01	19.88	20.50	20.98	19.17	19.79	19.66	20.28	20.76
	8H	19.65	20.21	20.16	20.72	21.21	19.61	20.17	20.13	20.68	21.17
	12H	19.86	20.36	20.37	20.85	21.41	19.99	20.49	20.50	20.99	21.55
12H	4H	18.71	19.38	19.19	19.86	20.33	18.16	18.84	18.65	19.32	19.79
	6H	19.45	20.01	19.97	20.52	21.01	19.23	19.79	19.74	20.30	20.79
	8H	19.77	20.27	20.28	20.76	21.33	19.74	20.24	20.25	20.73	21.29