

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: P895451

Luminaire Tested: 8TMB-SC3-LVRA-UNV-CC93-LOW-3500K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895451
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2404-077-26)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-SC3-LVRA-UNV-CC93-LOW-3500K
Description: Selectable 8FT MICROBAY LINEAR BAY with LOUVER WITH AISLE OPTIC, 90CRI, 3500K CCT, LO lumen setting
Light Source: -
Ballast/Driver: -

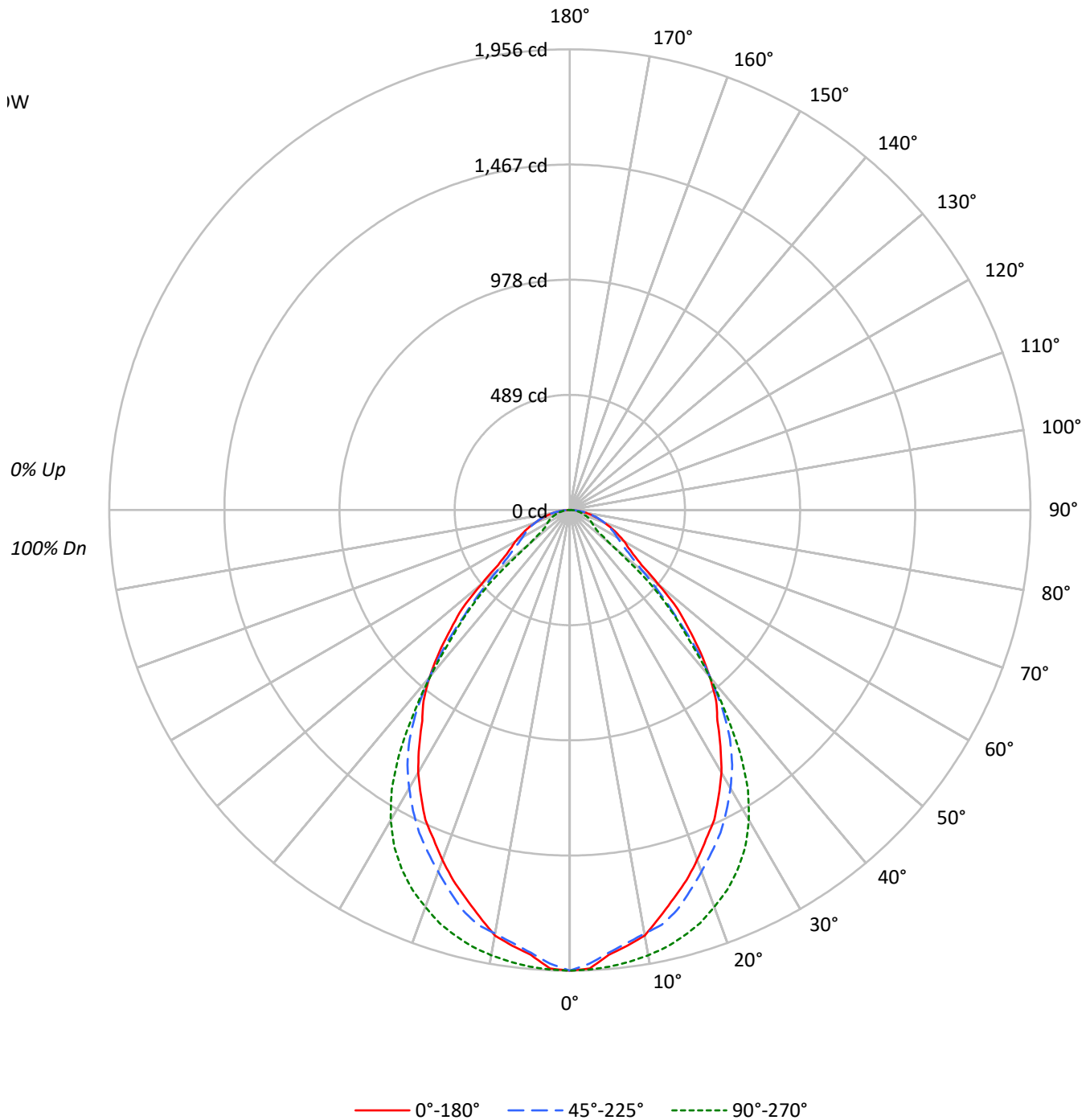
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3174.0 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.16 / 1.12
Luminous Opening: Rectangular (W 0.38' x L: 7.98' x H: 0')
CIE Type: Direct

Input Watts (W): 33.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.9915
Total Harmonic Distortion (THDi): 6.67573310469889
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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	80	80	80	78
3	96	87	80	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	63	63	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	53	62	57	52	61	56	52	52	52	52	50
7	73	61	54	48	71	60	53	48	59	52	48	58	52	47	56	51	47	47	47	47	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6939	6939	6939
5°	6752	6721	6931
10°	6608	6579	6915
15°	6267	6460	6876
20°	5970	6172	6772
25°	5679	5922	6599
30°	5276	5590	6230
35°	4731	5137	5465
40°	4286	4295	4272
45°	3584	3174	3095
50°	2707	2234	1266
55°	2036	1787	798
60°	1892	1646	769
65°	1761	1642	770
70°	1610	1610	758
75°	1527	1568	732
80°	1412	1483	752
85°	1229	1295	822

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 3668 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.7	5.7
10°-20°	497.8	15.7
20°-30°	705.8	22.2
30°-40°	727.2	22.9
40°-50°	507.9	16.0
50°-60°	243.7	7.7
60°-70°	171.0	5.4
70°-80°	106.9	3.4
80°-90°	33.1	1.0
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°	1384.3	43.6
0°-40°	2111.4	66.5
0°-60°	2863.0	90.2
0°-90°	3174.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3174.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1956	1956	1956	1956	1956	
5°	1896	1893	1887	1936	1946	179
15°	1706	1719	1759	1809	1872	480
25°	1451	1465	1513	1615	1686	663
35°	1092	1122	1186	1211	1262	688
45°	714	731	633	600	617	550
55°	329	313	289	185	129	308
65°	210	196	196	149	92	208
75°	111	110	114	99	53	117
85°	30	30	32	31	20	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1955.7	1955.7	1955.7	1955.7	1955.7
2.5°	1948.1	1942.1	1927.5	1954.2	1952.2
5°	1895.7	1893.2	1887.1	1936.5	1946.1
7.5°	1866.0	1860.9	1853.9	1908.3	1935.0
10°	1834.2	1840.3	1826.1	1876.0	1919.4
12.5°	1768.7	1784.8	1804.0	1842.8	1900.2
15°	1706.2	1718.8	1758.6	1809.0	1872.0
17.5°	1647.7	1662.3	1696.6	1772.2	1839.3
20°	1581.2	1601.3	1634.6	1731.4	1793.4
22.5°	1512.6	1531.3	1573.1	1676.9	1746.0
25°	1450.6	1465.3	1512.6	1615.0	1685.5
27.5°	1368.5	1395.7	1440.6	1539.3	1613.4
30°	1287.8	1311.0	1364.4	1447.6	1520.7
32.5°	1190.5	1224.3	1283.3	1346.8	1407.8
35°	1092.3	1122.0	1186.0	1210.7	1261.6
37.5°	1020.7	1028.8	1065.0	1062.0	1090.7
40°	925.4	941.6	927.4	889.6	922.4
42.5°	822.6	841.8	784.8	740.9	752.5
45°	714.2	730.9	632.6	600.3	616.9
47.5°	620.5	619.0	510.1	488.4	465.2
50°	490.4	506.6	404.7	364.4	229.3
52.5°	383.1	389.1	333.7	232.9	150.7
55°	329.1	313.0	288.8	185.0	129.0
57.5°	292.3	272.2	256.1	171.9	117.9
60°	266.6	244.0	231.9	163.3	108.4
62.5°	237.4	219.8	215.2	155.7	99.8
65°	209.7	196.1	195.6	148.7	91.7
67.5°	182.0	174.4	176.4	140.1	82.7
70°	155.2	153.7	155.2	129.0	73.1
72.5°	132.6	131.1	135.1	114.9	62.5
75°	111.4	109.9	114.4	98.8	53.4
77.5°	88.7	89.7	92.7	82.2	44.9
80°	69.1	69.1	72.6	64.5	36.8
82.5°	49.4	49.9	51.9	47.4	28.7
85°	30.2	30.2	31.8	31.3	20.2
87.5°	10.1	11.6	13.6	14.6	10.1
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	12.38	13.73	12.74	14.04	14.36	8.71	10.06	9.07	10.38	10.69
	3H	14.12	15.32	14.50	15.65	16.02	10.69	11.89	11.07	12.22	12.59
	4H	14.79	15.91	15.19	16.27	16.65	11.39	12.52	11.79	12.87	13.25
	6H	15.29	16.33	15.71	16.70	17.10	11.91	12.95	12.33	13.32	13.71
	8H	15.47	16.45	15.90	16.84	17.25	12.10	13.08	12.53	13.47	13.88
	12H	15.58	16.52	16.01	16.90	17.33	12.24	13.18	12.67	13.56	13.99
4H	2H	12.91	14.04	13.31	14.39	14.77	10.33	11.46	10.73	11.81	12.19
	3H	14.88	15.82	15.30	16.22	16.62	12.51	13.44	12.92	13.84	14.25
	4H	15.69	16.52	16.12	16.94	17.38	13.39	14.22	13.82	14.64	15.09
	6H	16.33	17.05	16.79	17.50	17.96	14.03	14.76	14.49	15.20	15.67
	8H	16.55	17.23	17.02	17.67	18.14	14.24	14.92	14.71	15.36	15.83
	12H	16.70	17.30	17.19	17.79	18.26	14.40	15.00	14.88	15.48	15.95
8H	4H	15.97	16.65	16.44	17.09	17.56	14.04	14.71	14.51	15.16	15.63
	6H	16.75	17.31	17.26	17.81	18.29	14.90	15.46	15.40	15.95	16.43
	8H	17.06	17.56	17.58	18.07	18.56	15.23	15.73	15.75	16.24	16.73
	12H	17.29	17.73	17.80	18.23	18.80	15.49	15.93	16.00	16.43	17.00
12H	4H	15.99	16.59	16.47	17.07	17.54	14.11	14.71	14.60	15.19	15.67
	6H	16.81	17.31	17.33	17.82	18.31	15.04	15.54	15.56	16.05	16.54
	8H	17.17	17.61	17.68	18.11	18.68	15.45	15.89	15.96	16.39	16.95