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: P895370

Luminaire Tested: 8TMB-SC3-ASYMR-UNV-CC83-LOW-3500K

Issue Date: 11/11/2024

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P895370
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2410-248-1)
Test Lab:	INNOVATION CENTER
Issue Date:	11/11/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	8TMB-SC3-ASYMR-UNV-CC83-LOW-3500K
Description:	Selectable 8FT MICROBAY LINEAR BAY with ASYMMERIC REFLECTOR, 80CRI, 3500K CCT, LOW setting
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4213.0 lumens
Efficiency:	N/A
Efficacy:	125.8 lumens/watt
Spacing Criteria (0/90/45):	1.18 / 1.28 / 1.25
Luminous Opening:	Rectangular (W 0.21' x L: 7.98' x H: 0')
CIE Type:	Direct

Input Watts (W):	33.5
Input Voltage (V):	
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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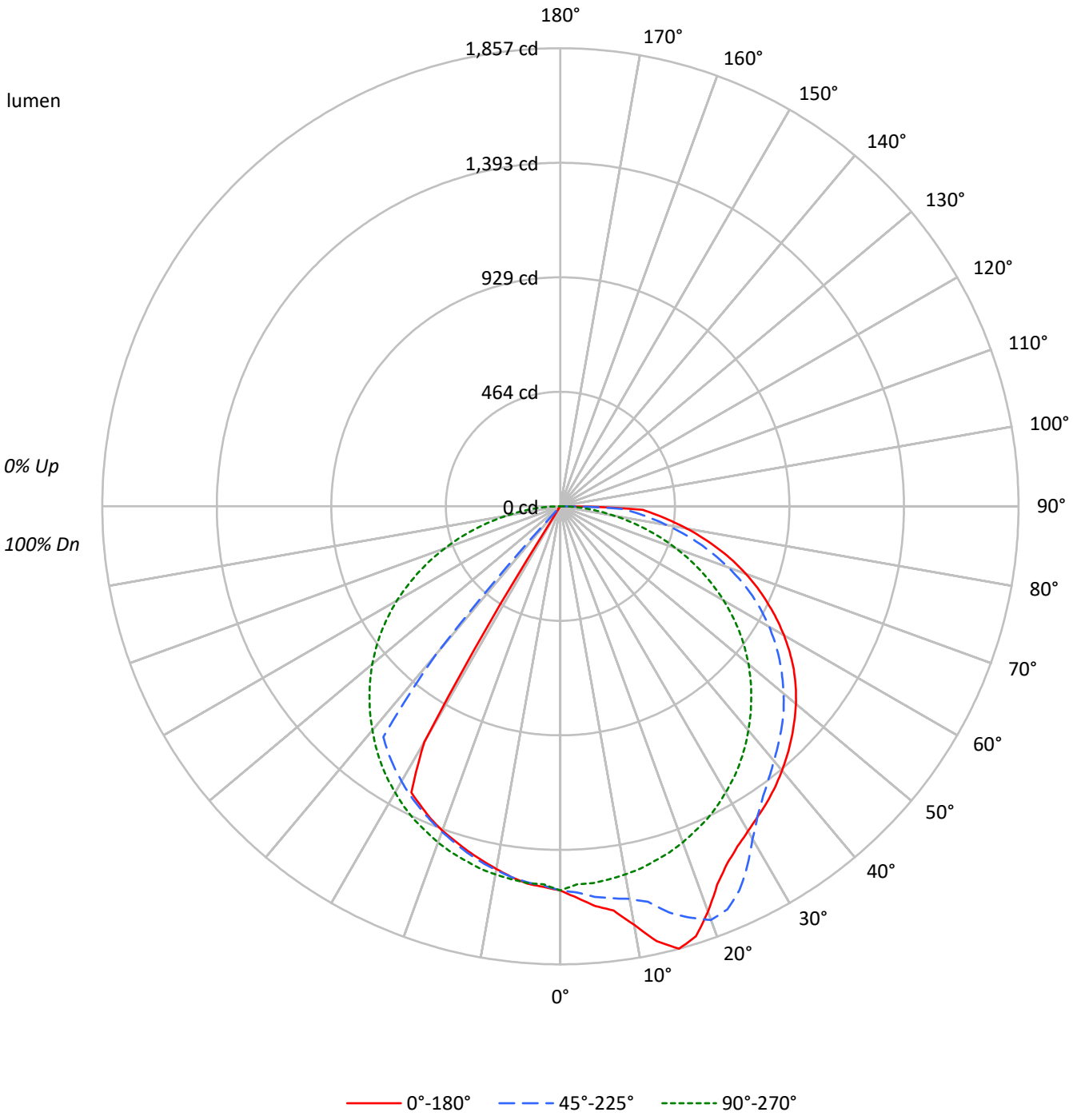
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50
5	76	63	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	36	35
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	10083	10083	10083	10083	10083
5°	10574	10330	9965	9948	9982
10°	11329	10626	9963	9846	9816
15°	12448	11431	9967	9751	9703
20°	12052	12298	9993	9673	9643
25°	11419	12273	10017	9641	9571
30°	11370	11649	10016	9629	8242
35°	11562	11330	10032	9630	113
40°	11813	11384	10019	6642	75
45°	12137	11614	10021	123	49
50°	12560	11904	10027	90	18
55°	13038	12244	9998	61	10
60°	13560	12658	9910	23	12
65°	14198	13159	9730	28	28
70°	15146	13711	9421	34	34
75°	16578	14594	9014	90	45
80°	19455	16330	8346	134	67
85°	28954	22928	7816	201	134

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 87.5°
Luminance: 49643 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.2	3.5
10°-20°	445.5	10.6
20°-30°	684.8	16.3
30°-40°	733.9	17.4
40°-50°	666.6	15.8
50°-60°	608.0	14.4
60°-70°	452.3	10.7
70°-80°	318.4	7.6
80°-90°	154.2	3.7
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°	1279.6	30.4
0°-40°	2013.5	47.8
0°-60°	3288.1	78.0
0°-90°	4213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4213.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1557	1557	1557	1557	1557	
5°	1627	1589	1533	1530	1536	158
15°	1857	1705	1487	1455	1447	513
25°	1598	1718	1402	1349	1340	743
35°	1463	1433	1269	1218	14	916
45°	1325	1268	1094	13	5	1024
55°	1155	1084	886	5	1	1031
65°	927	859	635	2	2	917
75°	663	583	360	4	2	699
85°	390	309	105	3	2	392
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	*1557.1*	1557.1	1557.1	1557.1	1557.1	1557.1	1557.1	1557.1	1557.1
2.5°	*1589.2*	1571.4	1566.9	1579.4	1533.9	1564.3	1539.3	1544.6	1544.6
5°	*1626.7*	1601.7	1589.2	1585.7	1533.1	1553.6	1530.4	1530.4	1535.7
7.5°	*1652.6*	1624.9	1602.6	1593.7	1525.0	1542.9	1516.1	1516.1	1516.1
10°	*1723.0*	1671.3	1616.0	1599.9	1515.2	1528.6	1497.4	1499.2	1492.9
12.5°	*1806.0*	1759.6	1641.9	1597.3	1504.5	1510.8	1477.8	1476.9	1469.7
15°	*1856.8*	*1822.0*	*1705.2*	*1593.7*	*1486.7*	*1492.0*	*1454.6*	*1451.9*	*1447.4*
17.5°	*1828.3*	1822.9	1748.9	1591.0	1470.6	1466.2	1428.7	1426.0	1422.5
20°	*1748.9*	1762.3	1784.6	1585.7	1450.1	1441.2	1403.7	1402.0	1399.3
22.5°	*1660.6*	1674.0	1768.5	1594.6	1425.1	1414.4	1377.0	1375.2	1371.6
25°	*1598.2*	1598.2	1717.7	1616.0	1402.0	1382.3	1349.3	1346.7	1339.5
27.5°	*1554.5*	1546.4	1641.9	1640.1	1372.5	1350.2	1319.9	1317.2	1308.3
30°	*1520.6*	1507.2	1558.0	1651.7	1339.5	1315.4	1287.8	1285.1	1102.3
32.5°	*1490.2*	1476.0	1487.6	1661.5	1306.5	1278.0	1253.9	894.5	39.2
35°	*1462.6*	1446.5	1433.2	1654.3	1269.1	1240.5	1218.2	25.9	14.3
37.5°	*1431.4*	1418.9	1388.6	1616.9	1228.9	1200.4	1179.0	14.3	12.5
40°	*1397.5*	1385.9	1346.7	1561.6	1185.2	1161.2	785.7	12.5	8.9
42.5°	*1362.7*	1353.8	1307.4	1481.3	1141.5	1117.5	25.0	9.8	7.1
45°	*1325.3*	1317.2	1268.2	1384.1	1094.3	1072.0	13.4	7.1	5.4
47.5°	*1286.9*	1275.3	1227.2	1279.8	1046.1	1023.8	11.6	5.4	3.6
50°	*1246.8*	1234.3	1181.7	1187.9	995.3	973.0	8.9	3.6	1.8
52.5°	*1202.2*	1187.0	1133.5	1105.0	941.8	921.3	7.1	1.8	0.9
55°	*1154.9*	1138.0	1084.5	1032.7	885.6	862.4	5.4	1.8	0.9
57.5°	*1102.3*	1083.6	1032.7	964.1	825.8	583.3	3.6	1.8	0.9
60°	*1047.0*	1028.3	977.4	899.9	765.2	40.1	1.8	1.8	0.9
62.5°	*988.1*	968.5	919.5	834.8	700.1	33.0	1.8	1.8	1.8
65°	*926.6*	903.4	858.8	767.9	635.0	27.6	1.8	1.8	1.8
67.5°	*865.1*	835.6	793.7	699.2	568.1	23.2	1.8	1.8	1.8
70°	*800.0*	767.9	724.2	629.6	497.6	18.7	1.8	1.8	1.8
72.5°	*733.1*	701.9	654.6	559.2	431.6	14.3	1.8	1.8	1.8
75°	*662.6*	634.1	583.3	488.7	360.3	10.7	3.6	1.8	1.8
77.5°	*589.5*	567.2	510.1	416.5	290.7	7.1	3.6	1.8	1.8
80°	*521.7*	496.7	437.9	343.4	223.8	5.4	3.6	2.7	1.8
82.5°	*452.2*	429.9	371.0	276.5	160.5	4.5	3.6	2.7	1.8
85°	*389.7*	368.3	308.6	215.8	105.2	3.6	2.7	2.7	1.8
87.5°	*334.4*	314.8	256.0	157.9	59.8	2.7	2.7	2.7	1.8
90°	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)