

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: McGRAW-EDISON

Report Number: P945552

Luminaire Tested: **GALN-SB1C-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945552
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB1C-722-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6048 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 54.4
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: 24 FT



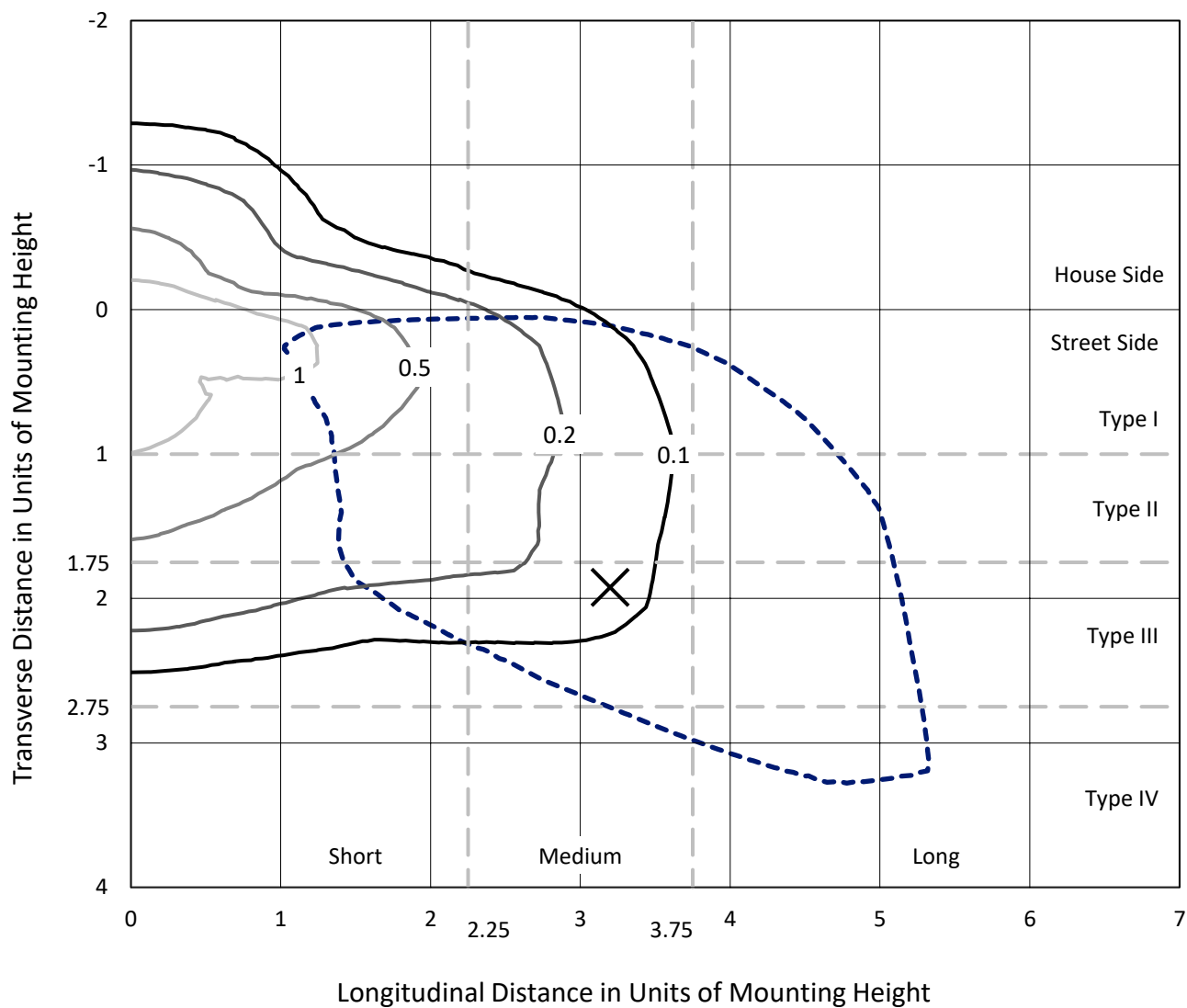
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

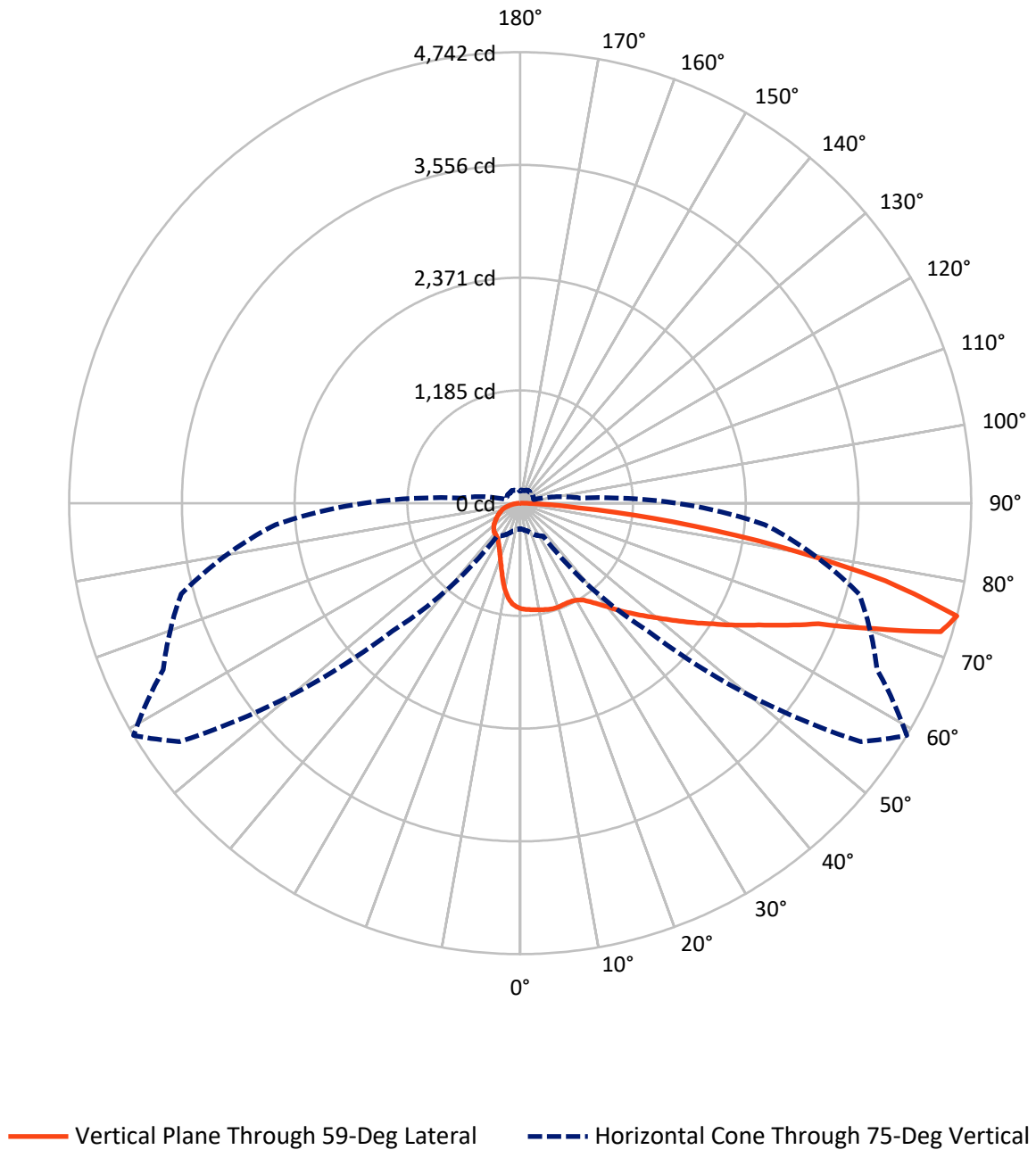
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1134.3	0.0	1134.3
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	4913.7	0.0	4913.7
	% Fixture	81.2	0.0	81.2
Total	Lumens	6048.0	0.0	6048.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.5	1.6
10°-20°	254.4	4.2
20°-30°	386.5	6.4
30°-40°	574.5	9.5
40°-50°	854.3	14.1
50°-60°	1159.6	19.2
60°-70°	1415.7	23.4
70°-80°	1111.0	18.4
80°-90°	192.5	3.2
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°-90°	6048.0	100.0
0°-180°	6048.0	100.0

Coefficient of Utilization



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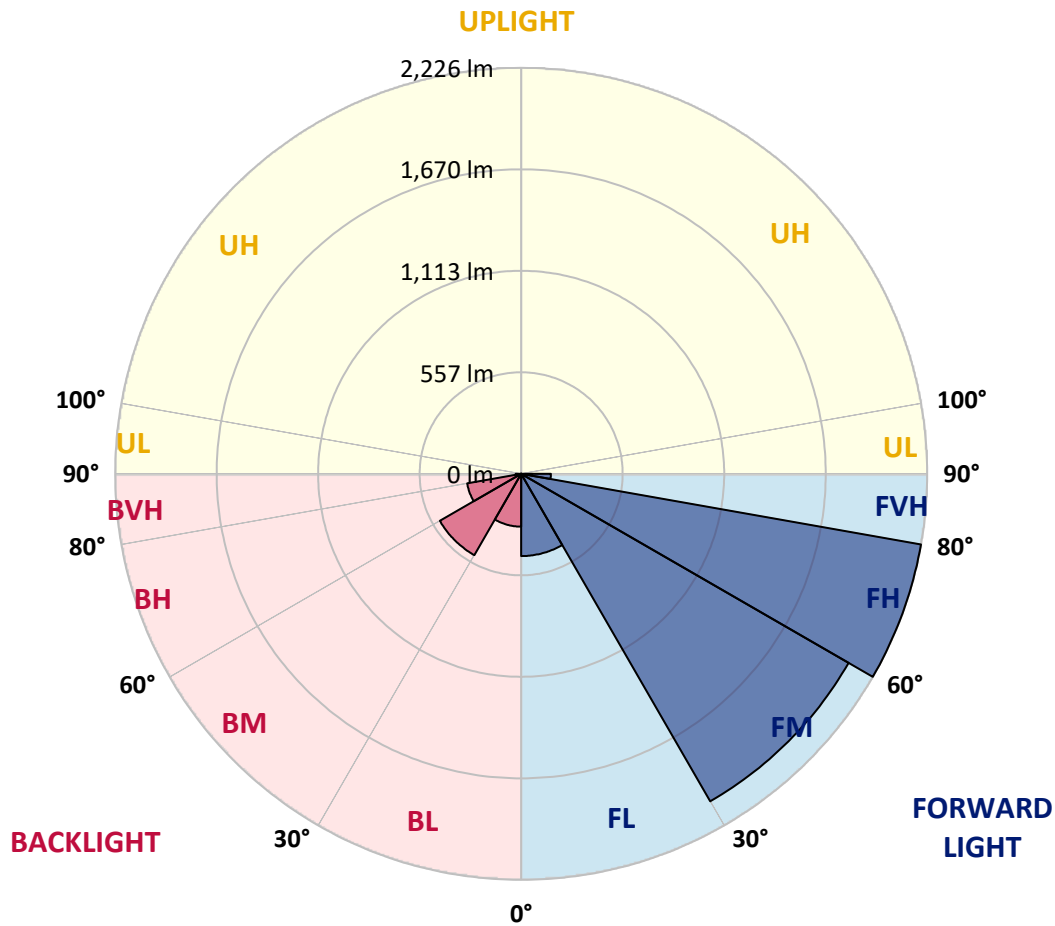
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	450.9	7.5			
FM	(30°-60°)	2073.5	34.3			
FH	(60°-80°)	2226.2	36.8			G2/5000
FVH	(80°-90°)	163.0	2.7			G2/225
BL	(0°-30°)	289.5	4.8	B1/500		
BM	(30°-60°)	514.9	8.5	B1/1000		
BH	(60°-80°)	300.5	5.0	B1/500		G1/500
BVH	(80°-90°)	29.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1
2.5°	1119.5	1115.6	1119.5	1117.9	1117.3	1116.0	1116.3	1118.6	1117.3	1118.9	1113.4
5°	1112.0	1109.8	1113.7	1112.7	1116.9	1117.6	1121.8	1124.4	1126.0	1126.4	1122.1
7.5°	1099.7	1097.4	1102.9	1107.5	1116.6	1119.2	1128.0	1132.2	1134.5	1138.4	1132.2
10°	1054.5	1053.5	1067.2	1084.4	1105.9	1119.2	1132.5	1139.7	1143.3	1153.7	1146.5
12.5°	974.4	975.7	993.6	1026.8	1069.8	1112.7	1137.8	1148.2	1153.7	1166.7	1163.5
15°	898.0	897.6	917.2	952.6	1012.8	1084.1	1140.4	1158.2	1167.7	1186.9	1184.3
17.5°	853.7	852.4	866.1	893.1	949.0	1040.1	1133.8	1163.8	1184.0	1208.0	1205.8
20°	845.6	843.0	850.1	863.5	903.2	992.0	1116.9	1163.8	1197.0	1228.2	1226.9
22.5°	875.2	871.0	868.0	866.4	884.0	952.3	1097.7	1159.9	1216.2	1257.2	1254.9
25°	934.7	928.2	913.3	898.6	893.4	934.4	1080.8	1158.9	1244.8	1296.2	1287.7
27.5°	1031.0	1022.9	992.6	957.5	925.9	943.5	1073.3	1164.8	1276.4	1337.5	1320.6
30°	1150.4	1141.7	1103.6	1049.6	993.0	977.4	1082.8	1182.0	1316.7	1392.5	1359.3
32.5°	1257.5	1247.7	1215.2	1160.2	1083.7	1035.9	1112.7	1214.9	1380.1	1469.0	1417.6
35°	1352.5	1341.1	1311.8	1261.1	1195.0	1118.2	1166.7	1273.1	1470.3	1593.2	1496.6
37.5°	1445.5	1432.2	1400.3	1346.6	1300.4	1227.9	1241.2	1347.9	1590.0	1744.2	1601.4
40°	1549.6	1530.5	1491.7	1438.7	1393.8	1356.4	1339.1	1439.7	1711.7	1912.7	1732.2
42.5°	1650.5	1632.3	1586.1	1540.9	1484.6	1473.8	1452.7	1547.0	1844.7	2097.9	1864.9
45°	1759.2	1737.4	1681.4	1624.2	1588.7	1551.9	1562.7	1654.4	1975.2	2286.6	2004.2
47.5°	1861.0	1836.6	1770.6	1706.8	1687.3	1617.6	1663.5	1772.5	2110.9	2477.9	2142.1
50°	1916.0	1891.9	1836.9	1779.3	1764.1	1698.7	1772.8	1902.3	2253.1	2668.5	2274.5
52.5°	1961.9	1935.8	1863.9	1832.1	1827.5	1786.8	1907.5	2050.7	2395.2	2837.1	2402.4
55°	2010.7	1981.7	1890.0	1861.3	1882.2	1885.7	2067.3	2218.9	2545.5	3001.4	2523.1
57.5°	2067.0	2030.2	1915.0	1886.1	1935.5	2001.6	2250.8	2393.3	2693.3	3153.6	2630.5
60°	2120.0	2082.9	1963.2	1925.4	1993.1	2135.9	2461.3	2604.4	2860.5	3289.3	2732.0
62.5°	2130.4	2099.8	2001.6	2001.2	2071.2	2292.7	2710.5	2817.5	3006.6	3423.3	2823.1
65°	1950.2	1931.0	1872.7	1998.3	2183.1	2518.5	2988.0	3090.2	3192.3	3540.5	2903.1
67.5°	1484.3	1486.9	1482.6	1725.0	2092.7	2842.9	3389.8	3382.0	3421.7	3671.9	2995.2
70°	678.7	694.0	793.5	1190.8	1676.5	2880.3	4054.2	3953.0	3709.6	3842.1	3074.9
72.5°	366.7	378.4	419.1	576.8	1007.9	2560.8	4550.7	4622.6	4092.6	3956.6	2987.4
75°	269.1	275.6	303.9	366.7	423.3	1903.3	4372.7	4741.7	4140.4	3689.5	2579.7
77.5°	201.4	204.3	227.4	290.5	216.7	1003.4	3493.9	3927.0	3544.4	3031.3	1905.6
80°	146.1	149.3	166.6	218.0	151.9	367.0	2399.1	2756.4	2427.4	1932.3	949.7
82.5°	100.9	102.2	109.6	148.4	106.1	142.5	1361.3	1616.3	1355.1	678.0	256.4
85°	60.8	62.5	65.7	86.5	60.2	67.7	587.6	607.8	405.1	162.0	79.7
87.5°	25.1	26.7	29.3	36.4	23.8	18.9	97.0	121.7	75.8	47.5	24.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1	1110.1
2.5°	1111.7	1109.4	1103.3	1094.8	1087.0	1077.2	1073.0	1069.4	1066.2	1060.0	1057.1
5°	1118.6	1112.4	1095.8	1074.3	1049.9	1023.2	997.2	979.3	964.0	952.6	943.2
7.5°	1129.0	1117.3	1087.0	1043.1	987.1	929.9	878.1	841.4	813.7	803.6	786.0
10°	1139.7	1125.7	1073.0	995.6	898.9	810.8	742.1	704.4	682.3	675.1	664.0
12.5°	1152.4	1131.9	1051.2	929.5	800.4	703.7	643.9	621.7	610.4	606.5	607.4
15°	1170.9	1137.1	1018.3	846.9	706.3	625.6	586.9	571.6	565.8	565.5	566.8
17.5°	1184.9	1138.1	967.3	758.4	634.1	578.5	546.6	540.7	544.6	550.5	552.8
20°	1200.5	1129.3	900.2	677.7	583.4	537.2	523.8	527.7	537.2	545.6	548.5
22.5°	1211.6	1113.4	819.2	614.9	539.4	513.4	512.8	520.9	526.1	530.3	532.6
25°	1221.4	1086.3	733.3	562.2	503.3	499.1	506.2	503.6	500.1	503.6	505.9
27.5°	1228.5	1043.7	656.6	516.0	477.9	489.3	485.1	479.2	478.9	480.9	484.1
30°	1226.2	986.8	593.4	472.1	460.0	471.1	461.0	460.0	459.1	460.0	463.6
32.5°	1226.2	922.0	545.0	441.8	448.7	444.4	443.5	441.2	437.3	436.9	441.2
35°	1233.1	857.3	503.3	425.6	439.2	429.1	429.8	424.3	416.1	412.2	416.1
37.5°	1247.1	805.2	462.0	417.8	422.6	422.3	419.7	410.3	396.0	383.6	387.8
40°	1280.9	790.0	433.7	414.2	414.8	418.7	411.9	393.7	361.1	341.0	343.6
42.5°	1333.9	815.7	427.5	405.4	409.6	413.5	400.2	357.9	334.8	322.7	322.7
45°	1401.3	860.6	440.9	392.7	397.3	404.1	364.4	344.2	333.8	334.1	335.8
47.5°	1486.5	907.7	465.6	381.6	379.4	383.3	340.6	328.3	314.0	317.5	326.7
50°	1585.1	955.6	489.0	366.7	359.5	346.8	325.4	313.6	295.4	287.0	289.2
52.5°	1691.8	1001.8	498.4	348.5	338.0	323.4	314.9	300.6	278.5	264.5	264.2
55°	1793.0	1043.7	488.0	326.7	316.6	305.2	303.9	295.1	271.3	251.8	251.8
57.5°	1888.7	1078.9	462.0	304.5	294.8	287.9	296.7	292.5	262.6	237.5	236.2
60°	1969.7	1102.9	424.3	282.1	275.2	271.7	285.0	283.7	250.2	222.2	221.2
62.5°	2034.1	1112.4	382.6	260.6	259.0	252.5	268.7	268.7	234.6	207.2	206.3
65°	2084.5	1103.3	340.3	239.5	242.7	233.0	248.9	246.9	218.0	193.9	192.6
67.5°	2129.1	1073.3	293.5	218.6	226.1	213.8	228.1	223.5	199.8	180.6	179.3
70°	2148.9	1003.7	240.1	197.8	206.9	194.9	207.2	198.8	179.3	166.3	163.7
72.5°	1989.5	834.2	189.0	176.0	183.8	174.1	184.8	175.0	157.1	151.3	146.4
75°	1645.9	626.0	145.4	152.3	158.1	150.6	157.8	150.6	134.4	138.6	126.6
77.5°	1195.3	422.6	111.3	127.2	129.8	125.9	132.1	124.0	109.3	108.3	103.5
80°	594.4	247.6	87.2	100.5	99.6	97.0	104.1	100.2	87.8	93.1	92.1
82.5°	172.1	106.1	63.4	70.6	68.6	69.3	74.5	76.5	114.5	113.5	116.2
85°	54.0	41.6	38.1	39.4	37.4	38.4	43.9	87.2	80.7	47.2	51.1
87.5°	14.0	14.3	9.4	10.1	10.4	12.4	14.0	53.0	25.4	16.6	17.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)