

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1208437

Luminaire Tested: UPW-SA1-060-827-U-T3R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-827-U-T3R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5677 lumens
Efficiency: N/A
Efficacy: 97.9 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): 58
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: 28.75 FT

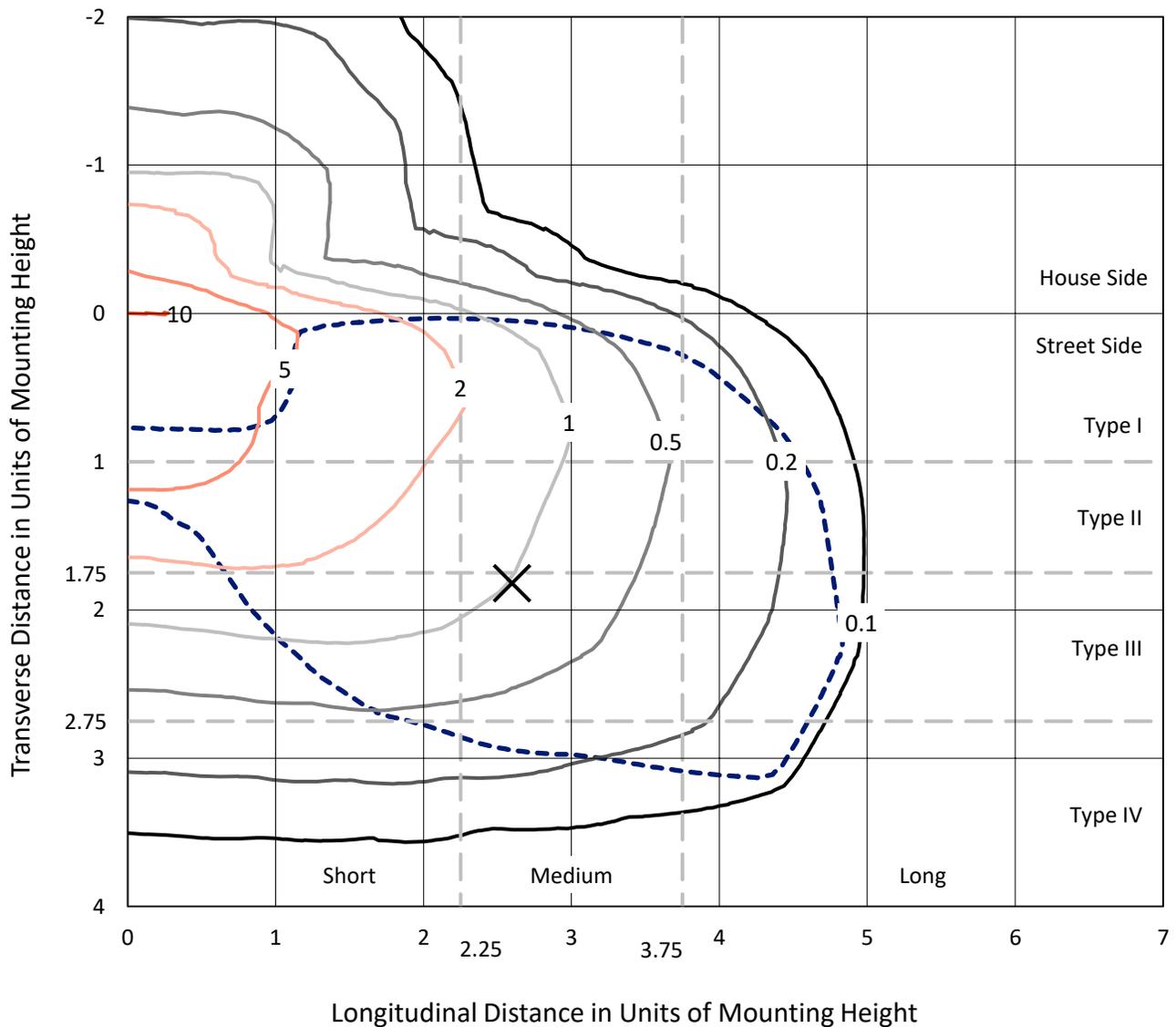


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

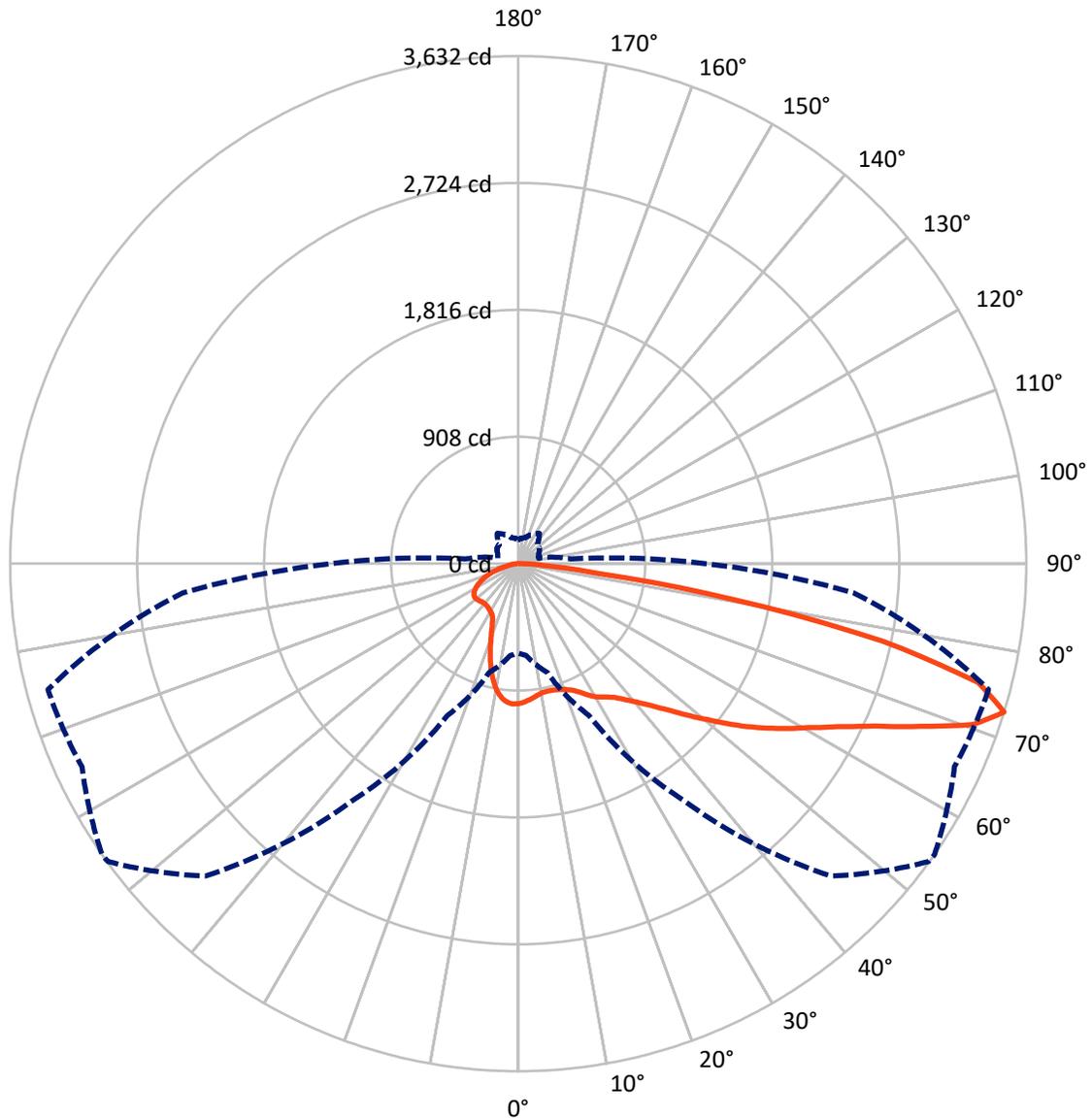


Based on 10 foot mounting height. Maximum calculated value = 10.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1055.2	0.0	1055.2
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	4621.8	0.0	4621.8
	% Fixture	81.4	0.0	81.4
Total	Lumens	5677.0	0.0	5677.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.6	1.6
10°-20°	241.2	4.2
20°-30°	397.7	7.0
30°-40°	588.3	10.4
40°-50°	821.2	14.5
50°-60°	1069.2	18.8
60°-70°	1314.0	23.1
70°-80°	1030.0	18.1
80°-90°	124.6	2.2
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°	5677.0	100.0
0°-180°	5677.0	100.0



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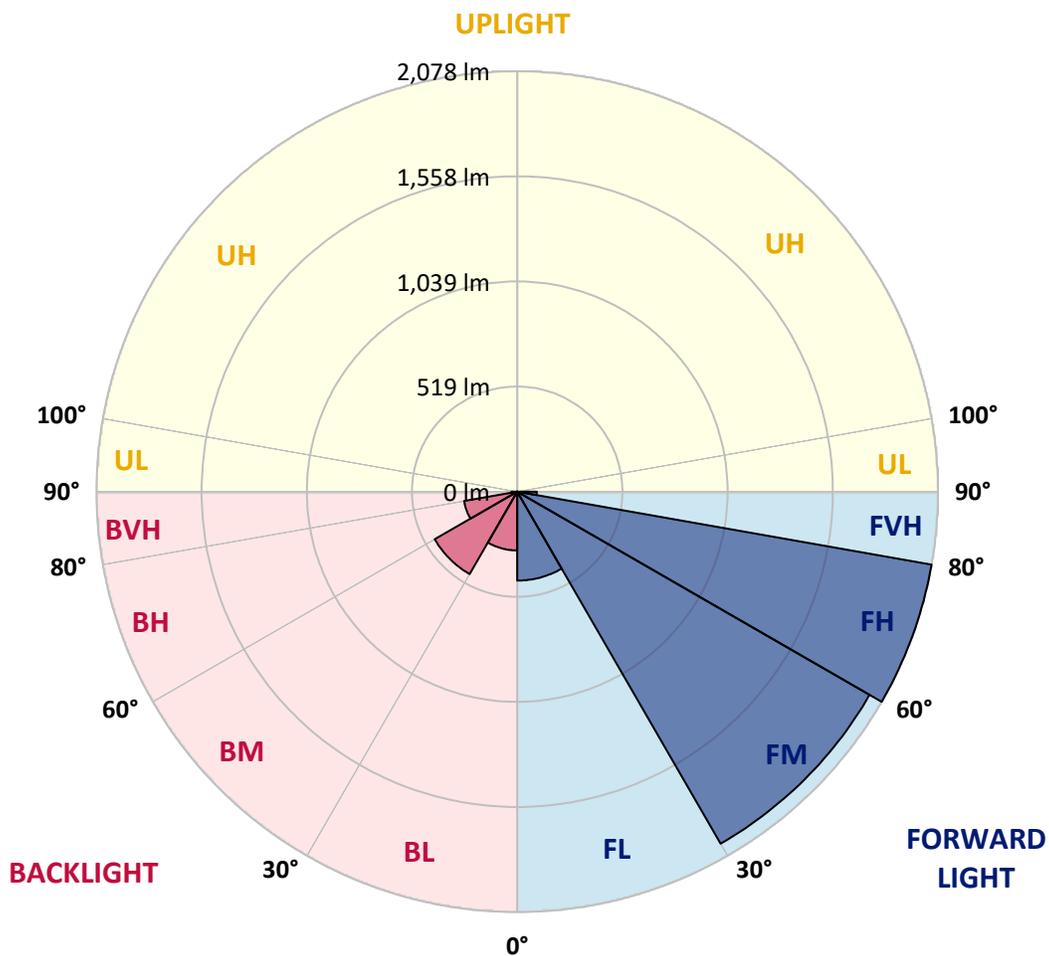
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	439.2	7.7			
FM	(30°-60°)	2008.6	35.4			
FH	(60°-80°)	2077.6	36.6			G2/5000
FVH	(80°-90°)	96.4	1.7			G1/100
BL	(0°-30°)	290.3	5.1	B1/500		
BM	(30°-60°)	470.1	8.3	B1/1000		
BH	(60°-80°)	266.5	4.7	B1/500		G1/500
BVH	(80°-90°)	28.3	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°	54°	55°	65°	75°	85°
0°	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3
2.5°	968.7	966.4	969.3	973.3	977.7	983.7	987.1	988.6	994.6	996.9	1001.9
5°	923.8	922.7	927.5	934.4	944.2	958.0	969.1	971.2	986.9	998.0	1008.2
7.5°	891.2	891.2	896.8	905.0	916.0	934.6	950.3	953.2	979.8	1003.8	1022.6
10°	865.4	866.3	872.8	882.6	895.5	915.2	936.1	939.4	977.9	1017.2	1047.1
12.5°	848.1	850.4	856.3	865.2	881.1	905.0	931.5	935.9	981.9	1036.4	1076.7
15°	859.0	862.9	863.4	867.1	875.9	902.0	934.2	938.8	990.6	1055.9	1110.2
17.5°	907.0	908.3	902.4	894.7	890.5	907.2	942.2	947.0	1000.9	1075.3	1142.4
20°	979.8	979.1	966.2	945.5	924.0	926.7	955.5	960.5	1014.9	1092.4	1174.6
22.5°	1071.9	1069.2	1049.4	1011.3	974.6	959.3	978.7	982.9	1036.0	1116.7	1209.2
25°	1183.5	1177.5	1151.4	1100.2	1046.4	1006.9	1013.6	1017.6	1066.7	1144.0	1240.8
27.5°	1301.2	1295.2	1262.1	1200.1	1128.4	1066.9	1061.7	1065.2	1101.6	1164.1	1264.2
30°	1424.3	1418.0	1387.7	1318.3	1215.5	1129.0	1106.6	1107.9	1126.1	1175.0	1283.4
32.5°	1548.0	1542.0	1508.1	1427.6	1310.0	1195.7	1139.0	1137.2	1140.9	1186.3	1305.0
35°	1673.4	1675.7	1636.0	1546.8	1414.7	1269.9	1177.3	1173.7	1165.6	1209.5	1335.7
37.5°	1807.6	1806.1	1754.7	1661.5	1524.2	1350.5	1232.4	1231.8	1204.0	1253.4	1383.8
40°	1897.3	1898.3	1867.0	1778.8	1634.8	1439.6	1302.9	1301.6	1265.1	1319.2	1446.9
42.5°	1932.4	1938.7	1946.8	1890.8	1750.6	1543.0	1387.1	1385.2	1350.5	1413.6	1521.1
45°	1934.9	1947.6	1997.4	1990.3	1868.0	1661.3	1494.7	1489.3	1464.4	1539.0	1609.7
47.5°	1913.4	1926.5	2009.3	2049.6	1972.9	1786.1	1620.5	1616.2	1594.8	1695.8	1705.6
50°	1866.5	1878.9	1984.8	2078.5	2059.2	1906.2	1765.4	1754.3	1742.8	1877.0	1815.3
52.5°	1778.4	1802.4	1952.0	2085.4	2110.7	2012.8	1917.8	1910.6	1916.9	2068.2	1925.1
55°	1570.0	1596.9	1867.4	2079.7	2148.9	2102.3	2070.3	2069.9	2102.7	2268.7	2043.1
57.5°	1453.2	1472.2	1695.2	2069.9	2194.2	2191.3	2221.2	2224.8	2288.7	2487.1	2166.5
60°	1387.3	1407.2	1608.0	2033.7	2264.3	2306.3	2375.2	2382.5	2477.7	2728.9	2315.1
62.5°	1327.3	1349.1	1553.9	1959.8	2347.0	2470.8	2559.6	2566.1	2677.9	2977.4	2458.8
65°	1224.7	1249.4	1474.7	1911.3	2422.1	2685.4	2794.1	2798.5	2907.8	3237.8	2568.6
67.5°	1079.7	1102.4	1325.4	1804.1	2477.7	2946.0	3105.9	3108.4	3135.8	3421.7	2624.8
70°	910.4	919.0	1112.5	1582.9	2412.0	3189.7	3447.6	3448.2	3343.7	3539.5	2615.6
72.5°	639.7	660.0	807.6	1198.2	2072.8	3160.0	3625.0	3631.5	3440.3	3480.0	2406.6
75°	392.3	413.8	506.6	726.1	1315.0	2485.2	3349.2	3394.5	3259.1	3102.8	1966.0
77.5°	262.3	270.4	330.6	423.4	595.8	1429.9	2575.0	2660.1	2707.5	2262.8	1257.3
80°	146.3	161.6	219.2	263.1	265.0	568.1	1543.9	1563.9	1506.4	901.0	387.9
82.5°	77.5	85.9	146.3	154.5	144.6	190.2	575.4	576.0	481.3	241.6	115.2
85°	60.0	67.1	100.3	94.3	73.8	84.4	189.8	200.2	163.8	98.9	37.6
87.5°	29.9	37.2	68.1	59.8	29.0	24.2	67.9	72.5	64.6	38.7	13.6
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°	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3	1001.3
2.5°	1003.8	1005.5	1007.6	1005.3	1004.6	1001.5	996.3	995.2	992.5	992.7	994.2
5°	1012.6	1015.5	1014.3	1005.5	995.0	980.2	964.9	951.8	943.2	942.6	942.1
7.5°	1029.5	1031.4	1022.4	997.3	967.7	933.6	901.4	873.2	856.1	851.9	851.0
10°	1055.9	1055.6	1030.8	980.2	921.3	860.4	808.6	769.5	746.7	740.0	738.2
12.5°	1085.5	1081.1	1033.7	949.1	855.8	771.2	705.6	662.1	638.3	630.7	628.7
15°	1116.0	1105.0	1026.6	902.7	775.2	675.1	606.3	566.0	553.2	549.0	548.2
17.5°	1144.3	1123.3	1006.3	839.9	683.4	579.5	525.8	509.7	512.7	518.3	518.5
20°	1172.1	1135.5	973.7	760.5	586.6	500.7	482.4	494.3	508.9	520.2	521.7
22.5°	1199.6	1144.2	931.7	668.8	499.9	456.4	469.2	490.9	507.6	519.8	521.9
25°	1222.6	1146.3	873.8	571.0	439.7	439.7	462.9	483.4	499.9	512.0	514.1
27.5°	1231.0	1132.1	792.1	480.5	409.4	432.0	454.1	471.1	485.1	498.0	500.3
30°	1234.3	1105.8	697.8	407.8	396.9	423.8	442.2	456.7	470.0	482.1	484.2
32.5°	1234.8	1074.2	597.7	366.6	388.3	415.1	427.4	440.3	454.4	459.2	460.0
35°	1238.5	1036.8	492.2	345.5	380.2	407.1	416.9	426.1	403.1	404.8	406.3
37.5°	1249.0	999.8	404.0	333.6	375.1	402.9	414.6	381.2	363.2	358.9	358.4
40°	1268.8	960.3	338.6	324.1	373.1	405.0	399.8	355.9	324.8	301.6	298.2
42.5°	1296.2	917.7	296.8	317.7	374.5	415.1	379.3	331.5	280.0	265.0	263.1
45°	1327.1	873.0	274.2	313.3	379.1	423.0	375.1	299.1	259.0	247.7	246.8
47.5°	1357.0	818.4	262.5	311.4	385.4	416.7	357.2	289.2	249.1	243.1	243.7
50°	1391.3	769.1	255.4	309.3	391.0	412.6	337.1	284.0	245.2	252.5	260.2
52.5°	1420.3	718.1	249.1	305.1	393.1	405.5	331.9	284.9	245.2	259.2	266.5
55°	1454.6	679.5	241.8	296.2	389.1	385.4	328.3	290.7	248.1	239.3	240.1
57.5°	1498.9	666.9	233.7	282.4	375.6	356.1	326.5	296.2	246.4	240.8	242.8
60°	1560.2	680.3	230.5	264.4	354.7	333.1	326.7	293.4	234.3	224.7	224.9
62.5°	1618.7	695.3	230.3	253.1	329.0	312.5	322.3	284.0	228.2	222.6	224.7
65°	1637.9	680.1	221.1	240.5	300.1	288.0	314.3	274.0	223.6	215.1	214.8
67.5°	1612.2	633.1	202.5	219.9	266.9	259.4	303.7	262.1	216.3	209.4	208.2
70°	1535.9	528.3	179.5	192.9	229.1	227.2	287.0	248.3	206.5	200.6	195.6
72.5°	1330.5	376.4	151.3	160.5	186.6	192.7	264.0	230.3	192.7	179.9	172.2
75°	1092.8	278.6	124.3	126.2	141.7	158.4	232.4	209.2	176.4	154.5	148.6
77.5°	669.2	170.5	98.9	99.7	101.6	126.4	191.4	185.6	155.7	128.9	124.6
80°	216.7	93.0	71.5	75.2	69.4	92.6	148.0	158.0	133.6	107.8	103.2
82.5°	82.5	54.3	48.3	50.8	48.1	62.1	108.0	126.6	109.5	88.6	72.1
85°	39.9	30.7	28.6	32.0	29.7	31.8	69.0	93.2	83.0	57.7	53.7
87.5°	14.2	13.6	10.9	14.8	12.7	11.3	21.1	47.0	54.8	39.7	35.5
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)