

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: P1208061

Luminaire Tested: UPW-SA1-040-730-U-T4FT

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208061
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-730-U-T4FT
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD THROW OPT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

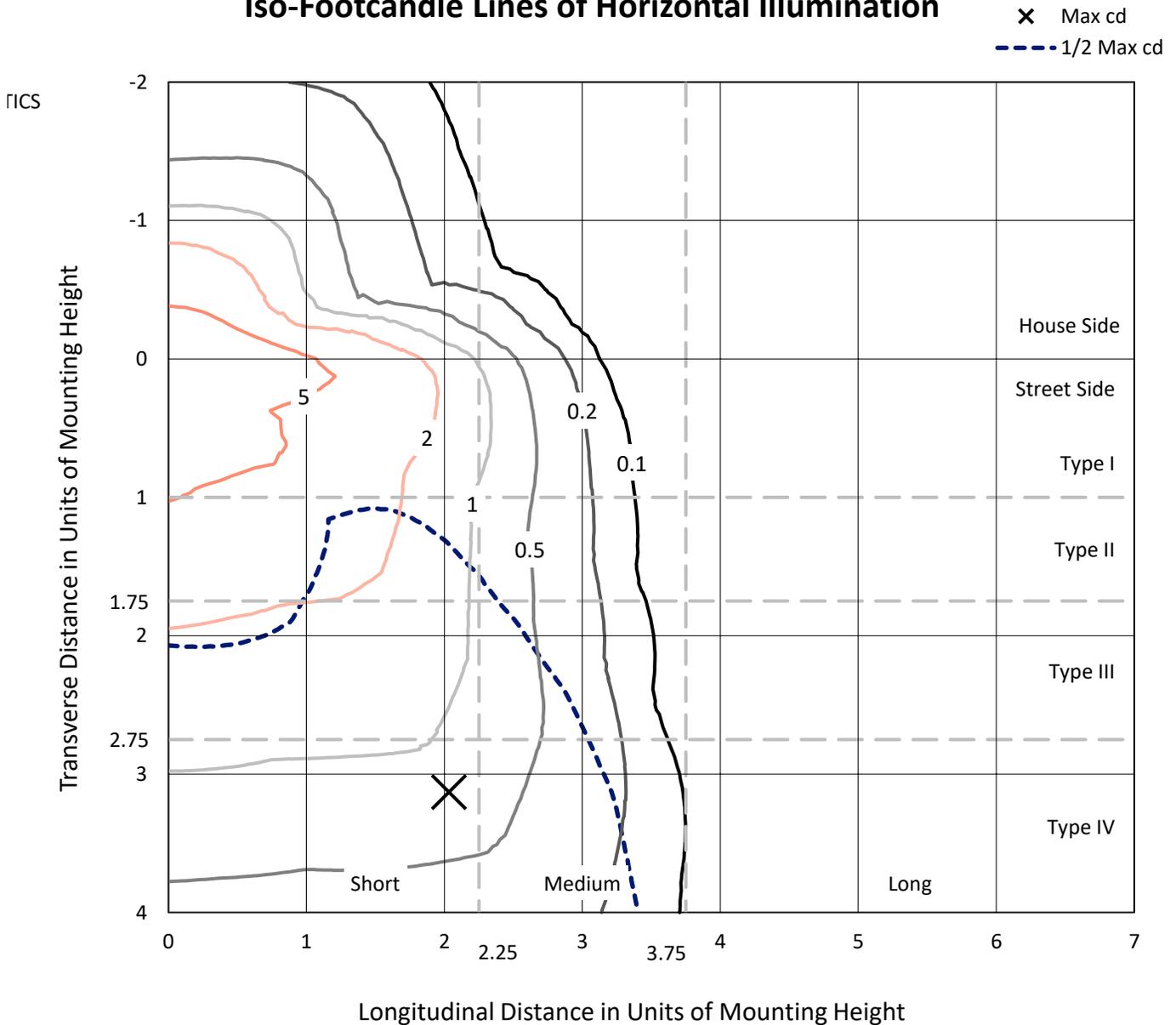
Lumens per Lamp: N/A
Luminaire Lumens: 5592 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 44
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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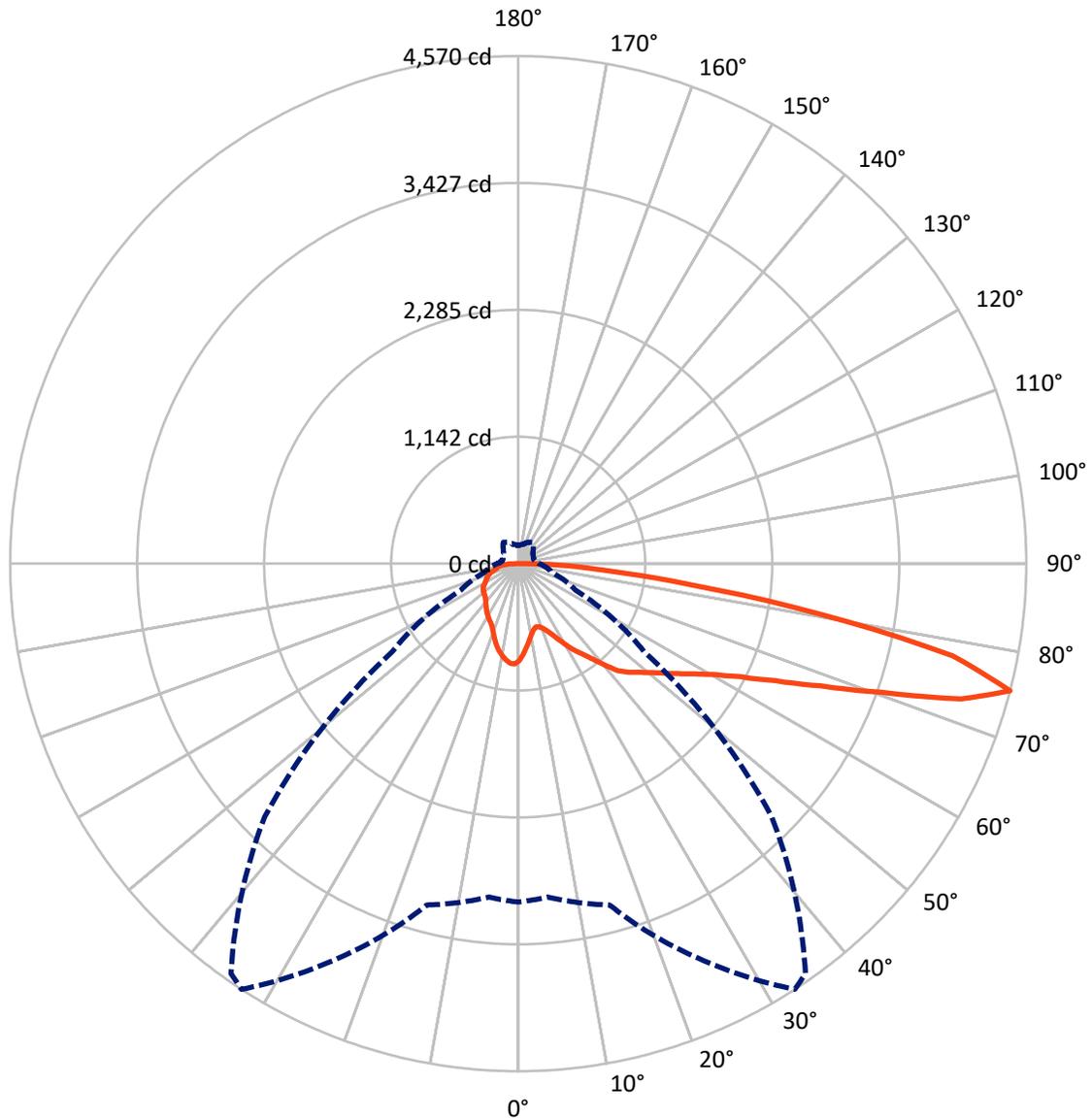
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 33-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1200.8	0.0	1200.8
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	4391.3	0.0	4391.3
	% Fixture	78.5	0.0	78.5
Total	Lumens	5592.0	0.0	5592.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.0	1.4
10°-20°	214.1	3.8
20°-30°	349.7	6.3
30°-40°	520.7	9.3
40°-50°	746.8	13.4
50°-60°	1025.3	18.3
60°-70°	1283.6	23.0
70°-80°	1161.2	20.8
80°-90°	211.5	3.8
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°	5592.0	100.0
0°-180°	5592.0	100.0



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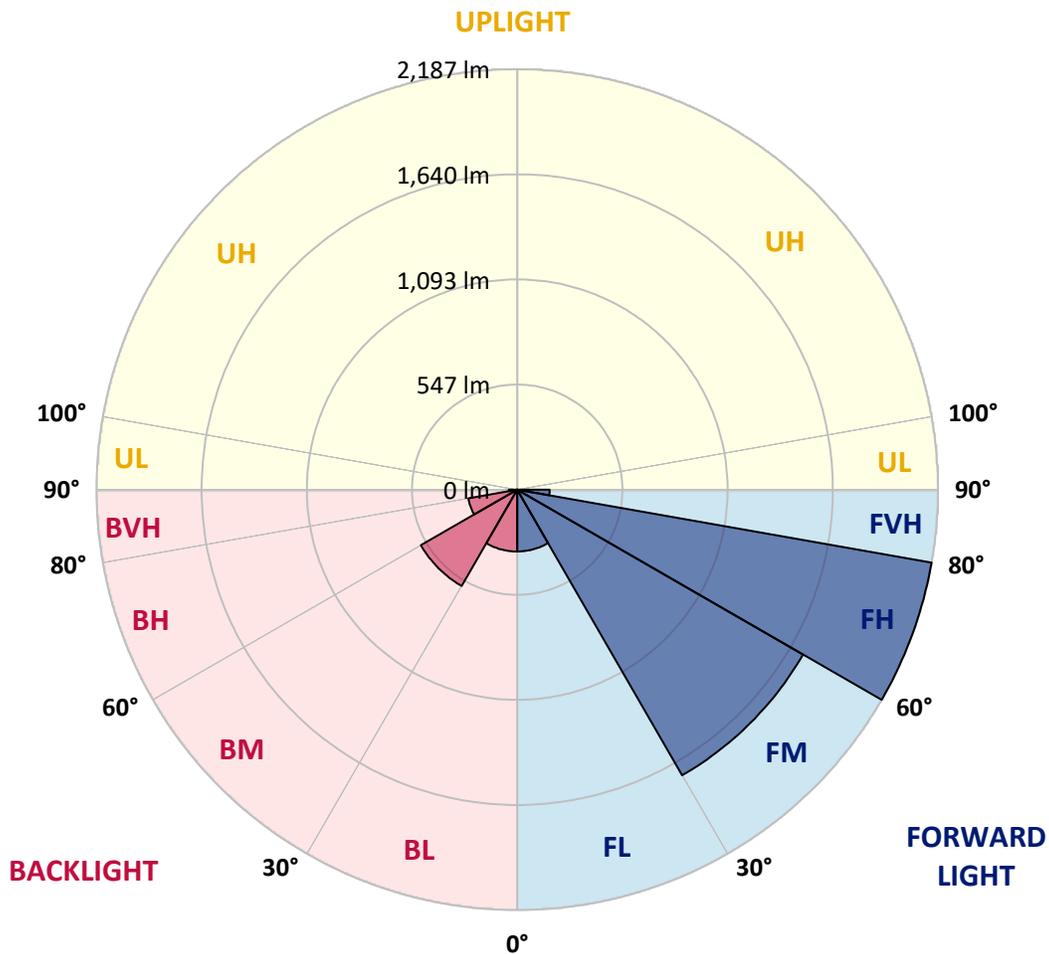
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	321.2	5.7			
FM	(30°-60°)	1715.0	30.7			
FH	(60°-80°)	2186.7	39.1			G2/5000
FVH	(80°-90°)	168.5	3.0			G2/225
BL	(0°-30°)	321.6	5.8	B1/500		
BM	(30°-60°)	577.9	10.3	B1/1000		
BH	(60°-80°)	258.2	4.6	B1/500		G1/500
BVH	(80°-90°)	43.1	0.8			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	874.1	874.1	874.1	874.1	874.1	874.1	874.1	874.1	874.1	874.1	874.1
2.5°	811.7	808.6	814.4	815.1	820.2	822.1	829.1	839.9	848.8	859.0	868.3
5°	738.1	735.9	744.1	749.9	760.9	765.5	781.9	804.9	825.4	848.6	869.6
7.5°	668.1	667.0	676.1	689.2	702.0	708.3	736.7	770.1	804.3	841.8	874.1
10°	609.2	608.8	617.5	630.5	649.2	656.4	693.1	737.1	785.0	836.6	881.6
12.5°	576.2	577.6	581.6	592.4	609.8	617.0	657.7	709.5	768.8	834.8	892.6
15°	584.3	586.4	579.5	579.1	591.5	597.1	635.3	689.8	757.2	837.7	908.6
17.5°	618.9	619.3	600.9	589.3	596.9	599.8	628.4	678.6	750.4	844.3	928.7
20°	667.6	666.6	634.2	614.8	618.9	619.7	638.2	678.8	749.9	855.7	954.8
22.5°	732.1	724.9	681.3	655.0	654.0	652.9	663.5	693.1	758.4	874.3	985.9
25°	816.3	809.5	749.5	713.5	705.8	702.9	704.5	723.6	775.2	894.1	1020.7
27.5°	910.0	898.2	840.3	789.5	773.4	769.4	760.1	766.7	793.5	913.3	1062.0
30°	988.4	982.0	931.4	871.2	852.2	846.4	822.1	815.0	820.0	939.3	1114.2
32.5°	1032.3	1028.0	997.3	948.6	931.0	922.9	888.5	874.3	862.5	980.5	1184.9
35°	1085.4	1082.7	1064.1	1028.8	1002.7	994.2	967.6	952.7	922.4	1037.1	1276.2
37.5°	1153.0	1150.1	1150.5	1121.9	1090.8	1082.9	1065.3	1049.6	1000.0	1111.5	1375.5
40°	1229.5	1223.9	1221.8	1220.4	1200.7	1196.3	1187.0	1165.7	1097.4	1200.3	1473.4
42.5°	1344.6	1324.7	1282.2	1298.2	1317.8	1315.4	1323.0	1292.5	1205.5	1305.4	1569.1
45°	1455.7	1423.0	1349.6	1353.1	1395.8	1408.7	1465.1	1443.5	1322.8	1420.5	1668.0
47.5°	1506.3	1481.6	1419.2	1419.4	1461.7	1488.5	1612.1	1596.7	1446.0	1551.3	1788.7
50°	1562.9	1538.2	1482.1	1503.2	1540.1	1568.7	1754.1	1746.2	1563.3	1694.4	1933.4
52.5°	1624.7	1582.8	1547.2	1584.9	1636.7	1669.9	1896.3	1874.6	1670.9	1838.5	2099.7
55°	1625.5	1614.1	1641.1	1668.7	1746.2	1786.9	2045.2	1988.0	1758.6	1980.1	2235.1
57.5°	1718.0	1699.4	1756.8	1769.6	1870.8	1916.8	2193.4	2086.7	1847.8	2088.7	2308.1
60°	1840.5	1824.6	1871.6	1905.2	2024.9	2086.3	2351.6	2188.1	1917.9	2170.6	2304.6
62.5°	2052.0	2034.0	2033.4	2080.6	2241.8	2313.3	2529.1	2287.6	1945.7	2186.8	2206.3
65°	2361.6	2333.0	2279.1	2301.5	2541.4	2612.7	2727.5	2359.7	1909.0	2099.9	1953.1
67.5°	2662.9	2662.0	2595.7	2641.7	2937.0	2994.2	2953.5	2366.8	1794.5	1797.2	1503.8
70°	2963.3	2967.2	2956.0	3115.9	3471.5	3531.0	3194.1	2270.8	1537.0	1297.9	900.9
72.5°	3201.3	3200.3	3256.7	3669.1	4165.2	4151.8	3397.0	1979.9	1103.5	700.6	430.6
75°	3047.1	3013.5	3181.6	3943.0	4569.5	4504.4	3224.5	1381.1	572.7	318.9	231.8
77.5°	1987.5	2019.3	2266.0	3257.3	3996.9	3917.7	2365.7	644.4	269.8	209.2	168.1
80°	719.7	753.3	1061.0	1845.1	2753.7	2740.8	1165.0	264.8	182.5	158.0	122.5
82.5°	247.6	260.0	418.6	819.4	1554.8	1612.7	438.3	150.5	132.7	112.0	83.8
85°	97.2	111.3	191.4	394.2	784.2	790.0	177.5	90.0	92.3	73.4	46.0
87.5°	36.9	44.8	91.6	183.1	358.1	329.0	63.6	42.9	52.5	43.7	21.8
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°	874.1	874.1	874.1	874.1	874.1	874.1	874.1	874.1	874.1	874.1	874.1
2.5°	875.4	879.5	888.0	893.8	899.9	901.7	902.5	904.0	905.5	905.0	905.2
5°	880.8	888.7	902.5	908.3	911.0	907.9	901.9	897.0	893.6	891.6	891.1
7.5°	889.7	900.9	915.6	914.6	908.4	894.7	879.3	867.7	858.0	854.6	852.6
10°	901.5	914.6	924.9	913.9	895.9	872.1	848.9	831.0	816.5	810.9	809.9
12.5°	916.6	929.9	931.8	908.4	878.7	846.2	814.8	791.0	769.4	762.4	760.9
15°	936.1	948.6	936.6	899.0	857.4	813.8	773.0	740.8	718.0	709.5	706.4
17.5°	956.5	968.5	937.6	883.3	829.6	775.4	724.2	691.1	665.1	655.2	654.0
20°	981.1	986.5	933.6	860.9	791.4	725.5	671.6	640.5	626.6	619.7	618.9
22.5°	1011.4	1005.6	924.3	830.6	742.9	668.0	624.1	609.6	606.1	604.6	605.2
25°	1043.5	1025.7	910.6	791.0	681.7	610.4	589.3	593.4	598.0	597.5	597.5
27.5°	1078.8	1046.2	889.5	738.5	613.9	563.3	565.8	580.6	587.6	587.4	587.2
30°	1124.2	1069.3	862.7	675.3	550.5	530.0	545.3	563.5	572.9	572.5	572.7
32.5°	1180.0	1094.8	826.2	604.8	504.7	505.5	523.1	541.0	552.1	551.1	551.3
35°	1245.3	1123.4	776.7	535.3	474.4	486.0	499.9	512.5	522.9	521.5	520.2
37.5°	1316.4	1151.4	711.0	473.1	449.7	467.8	479.4	481.6	486.4	482.9	480.4
40°	1384.0	1172.9	626.4	422.1	424.8	452.4	459.9	451.4	442.7	441.6	438.1
42.5°	1442.9	1180.0	540.9	381.3	398.5	436.2	440.8	423.0	407.4	400.0	396.9
45°	1505.1	1182.5	461.1	347.1	373.2	421.7	426.7	402.9	380.9	365.1	359.9
47.5°	1586.4	1200.7	399.1	321.8	353.9	412.0	419.2	386.9	358.3	335.7	330.9
50°	1692.9	1236.6	348.7	302.5	341.3	405.6	413.8	371.3	339.8	312.5	307.7
52.5°	1811.1	1269.7	307.9	286.8	329.1	394.4	406.8	360.1	322.4	291.1	285.9
55°	1893.8	1244.4	275.1	270.6	313.3	378.4	397.1	350.6	297.5	270.2	265.6
57.5°	1909.6	1157.8	250.1	253.8	294.2	358.3	382.3	329.5	283.9	261.2	256.3
60°	1866.3	1037.3	231.6	238.4	273.7	333.0	354.5	314.7	271.0	251.5	247.4
62.5°	1757.6	913.9	217.9	224.5	254.6	307.3	337.1	299.0	257.9	240.5	236.4
65°	1538.0	767.2	204.8	212.1	236.8	285.1	321.4	284.5	244.9	231.6	227.7
67.5°	1160.9	574.7	192.4	199.0	221.0	265.8	304.4	270.2	232.4	223.9	219.2
70°	683.6	359.9	178.3	185.2	204.4	245.7	286.3	254.6	216.7	212.9	206.9
72.5°	318.1	216.5	162.3	169.0	183.5	218.9	262.9	234.1	198.2	189.7	181.6
75°	189.9	158.4	143.3	149.3	159.6	190.3	233.5	213.3	180.6	169.4	160.9
77.5°	142.0	121.1	122.5	128.8	137.1	166.5	206.9	196.8	167.1	158.4	152.6
80°	102.2	91.9	99.9	106.8	115.5	151.4	198.2	182.0	151.1	139.5	134.1
82.5°	68.2	66.1	75.1	82.3	90.8	132.5	186.2	159.4	129.0	114.4	102.4
85°	37.7	39.8	50.6	53.7	61.0	93.3	152.6	128.1	97.2	78.2	74.8
87.5°	15.6	18.4	27.2	26.3	32.5	55.6	100.4	77.3	61.8	46.2	35.9
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)