

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: P1208613

Luminaire Tested: UPW-SA1-070-750-U-SL4

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208613
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-750-U-SL4
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8086 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 67
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

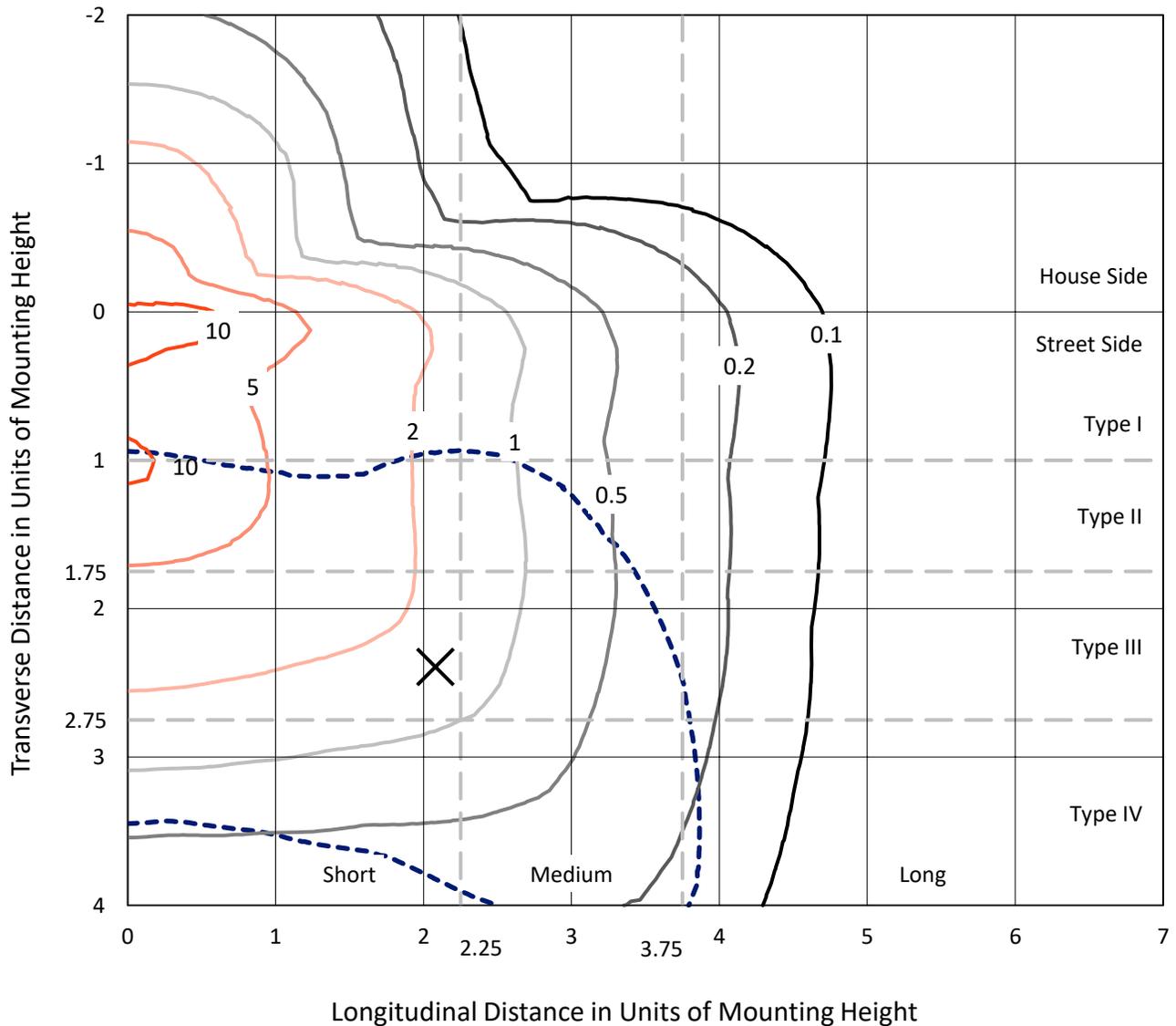


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

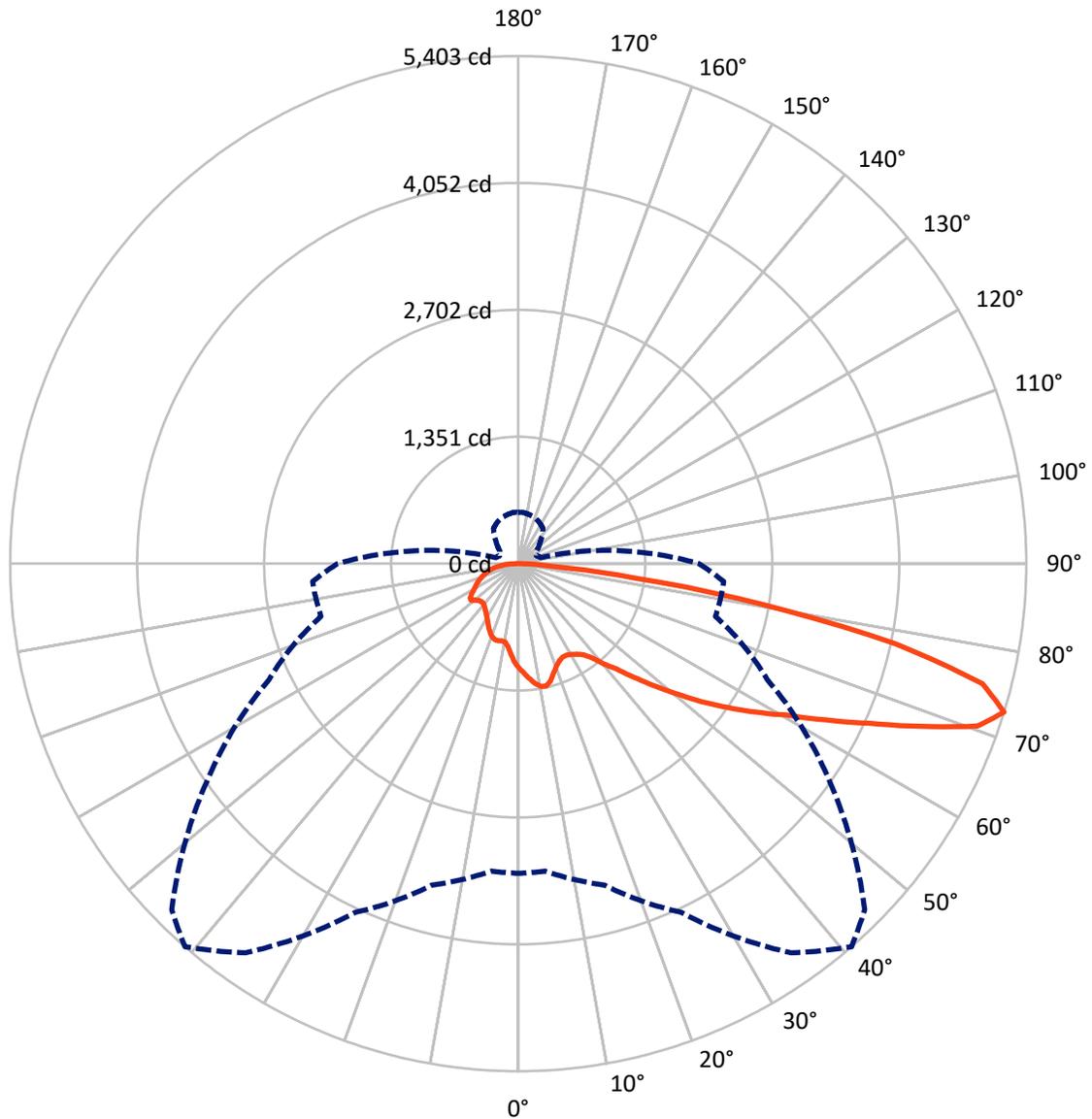


Based on 10 foot mounting height. Maximum calculated value = 12.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 41-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1749.7	0.0	1749.7
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	6336.3	0.0	6336.3
	% Fixture	78.4	0.0	78.4
Total	Lumens	8086.0	0.0	8086.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.0	1.3
10°-20°	319.4	3.9
20°-30°	490.8	6.1
30°-40°	674.7	8.3
40°-50°	1028.1	12.7
50°-60°	1518.3	18.8
60°-70°	1994.0	24.7
70°-80°	1708.4	21.1
80°-90°	246.2	3.0
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°-90°	8086.0	100.0
0°-180°	8086.0	100.0



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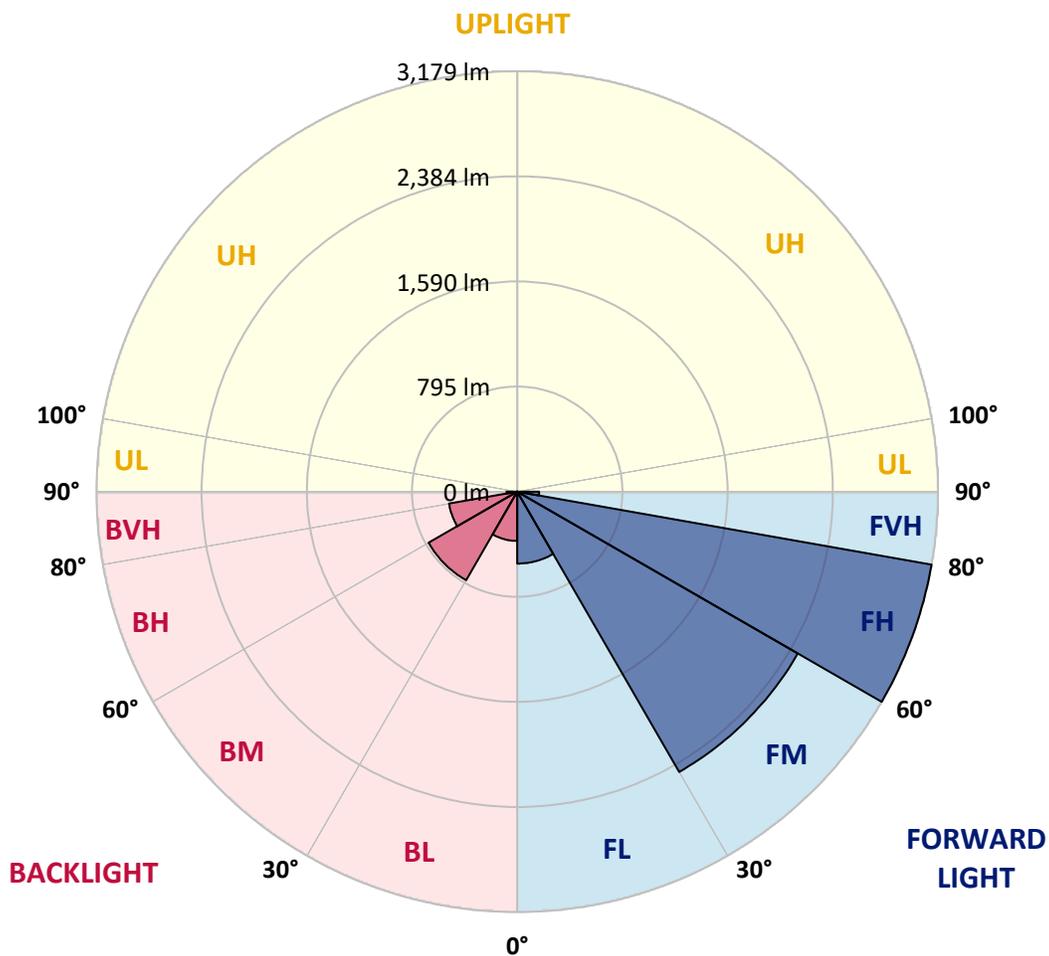
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	543.8	6.7			
FM	(30°-60°)	2447.9	30.3			
FH	(60°-80°)	3179.2	39.3			G2/5000
FVH	(80°-90°)	165.3	2.0			G2/225
BL	(0°-30°)	372.4	4.6	B1/500		
BM	(30°-60°)	773.3	9.6	B1/1000		
BH	(60°-80°)	523.2	6.5	B2/1000		G2/1000
BVH	(80°-90°)	80.8	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	41°	45°	55°	65°	75°	85°
0°	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4
2.5°	1183.4	1179.9	1179.9	1177.2	1172.7	1166.5	1165.6	1157.6	1149.6	1138.1	1126.5
5°	1251.9	1246.5	1244.8	1241.2	1236.8	1227.9	1228.8	1214.5	1197.6	1175.4	1152.3
7.5°	1300.8	1297.2	1296.3	1297.2	1291.0	1286.6	1286.6	1269.7	1252.8	1228.8	1193.2
10°	1317.7	1313.2	1316.8	1324.8	1331.0	1330.1	1334.6	1328.3	1315.9	1295.4	1245.7
12.5°	1287.4	1287.4	1289.2	1299.9	1320.3	1336.3	1350.6	1376.4	1387.9	1370.1	1307.9
15°	1241.2	1238.5	1235.9	1240.3	1265.2	1291.9	1322.1	1391.5	1442.2	1441.3	1373.7
17.5°	1213.6	1211.9	1193.2	1175.4	1188.8	1219.9	1258.1	1369.2	1476.8	1506.2	1439.5
20°	1197.6	1194.1	1171.9	1136.3	1131.0	1163.0	1192.3	1323.9	1482.2	1568.4	1501.7
22.5°	1184.3	1182.5	1154.1	1107.0	1093.6	1120.3	1150.5	1268.8	1462.6	1609.3	1556.8
25°	1190.5	1187.0	1151.4	1095.4	1079.4	1101.6	1128.3	1225.2	1427.9	1632.4	1601.3
27.5°	1220.8	1220.8	1173.6	1107.0	1086.5	1101.6	1122.1	1201.2	1390.6	1638.6	1642.2
30°	1290.1	1287.4	1227.9	1147.0	1114.1	1120.3	1134.5	1193.2	1354.1	1627.1	1668.9
32.5°	1411.9	1403.0	1329.2	1219.0	1155.0	1148.7	1151.4	1187.9	1316.8	1606.6	1694.7
35°	1633.3	1609.3	1496.4	1346.1	1227.9	1189.6	1179.0	1193.2	1294.6	1592.4	1718.7
37.5°	1928.5	1894.7	1755.1	1542.6	1354.1	1272.3	1235.9	1219.0	1291.0	1575.5	1741.8
40°	2209.5	2189.0	2023.6	1775.6	1517.7	1403.0	1343.5	1258.1	1295.4	1564.8	1773.8
42.5°	2567.8	2534.9	2342.8	2020.1	1697.3	1532.0	1445.7	1310.6	1323.9	1572.0	1810.2
45°	2953.7	2947.4	2708.3	2320.6	1921.4	1723.1	1613.8	1409.3	1379.0	1600.4	1864.5
47.5°	3370.7	3342.2	3091.5	2670.0	2175.7	1937.4	1802.2	1523.1	1458.2	1648.4	1936.5
50°	3725.4	3705.0	3447.1	2992.8	2453.1	2172.1	2014.7	1660.9	1556.8	1713.3	2012.1
52.5°	3914.8	3899.7	3741.4	3332.4	2737.6	2438.0	2211.2	1804.9	1680.4	1794.2	2094.8
55°	3869.4	3860.6	3859.7	3588.5	3047.9	2705.6	2435.3	1958.7	1822.7	1891.2	2192.6
57.5°	3857.0	3841.9	3849.9	3765.4	3343.1	2982.1	2684.3	2149.9	2000.5	2007.6	2294.8
60°	3869.4	3860.6	3905.9	3874.8	3620.5	3272.0	2974.1	2381.9	2186.3	2126.8	2386.4
62.5°	3985.0	3963.7	3999.3	4065.1	3922.8	3664.9	3340.4	2658.5	2392.6	2216.6	2457.5
65°	4162.0	4122.0	4133.5	4299.8	4279.3	4093.5	3775.2	3018.6	2586.4	2288.6	2490.4
67.5°	4212.6	4199.3	4229.5	4442.0	4654.5	4622.5	4326.5	3416.0	2775.8	2329.5	2453.1
70°	4003.7	3986.8	4122.0	4450.0	5023.5	5180.0	4905.3	3799.2	2937.6	2314.4	2367.7
72.5°	3296.0	3285.3	3542.3	4095.3	5057.3	5403.2	5211.1	4042.8	2924.3	2171.2	2194.3
75°	2132.1	2096.5	2509.1	3220.4	4538.1	5098.2	4962.2	3736.1	2561.6	1930.3	1890.3
77.5°	754.0	847.3	1083.8	1915.2	3448.0	4103.3	3875.7	2802.5	1892.0	1414.6	1331.9
80°	263.2	276.5	345.9	717.5	1865.4	2628.2	2445.1	1624.4	1010.9	737.1	706.8
82.5°	154.7	161.8	181.4	263.2	686.4	1248.3	1042.0	682.0	369.9	316.5	277.4
85°	52.5	56.0	94.2	135.1	243.6	361.0	324.5	175.2	143.1	128.0	82.7
87.5°	10.7	12.4	20.4	44.5	81.8	92.5	70.2	42.7	59.6	59.6	28.5
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°	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4
2.5°	1118.5	1110.5	1096.3	1082.9	1068.7	1058.1	1044.7	1034.0	1035.8	1029.6	1027.8
5°	1137.2	1120.3	1086.5	1050.9	1014.5	979.8	950.5	926.5	913.1	906.0	905.1
7.5°	1167.4	1141.6	1081.2	1016.3	947.8	900.7	869.6	854.4	852.7	850.9	848.2
10°	1214.5	1173.6	1079.4	975.4	889.1	848.2	842.9	853.6	868.7	876.7	876.7
12.5°	1264.3	1211.9	1078.5	933.6	843.8	830.4	854.4	884.7	909.6	921.1	919.3
15°	1317.7	1250.1	1065.2	886.5	811.8	831.3	873.1	906.0	931.8	942.5	943.4
17.5°	1374.6	1284.8	1042.9	834.9	788.6	829.5	872.2	900.7	923.8	931.8	930.0
20°	1423.5	1315.9	1011.8	782.4	768.2	812.7	850.9	872.2	885.6	887.3	887.3
22.5°	1463.5	1338.1	966.5	733.5	739.7	783.3	812.7	824.2	829.5	832.2	831.3
25°	1502.6	1353.2	914.9	688.2	706.0	744.2	765.5	776.2	779.8	782.4	784.2
27.5°	1529.3	1360.4	854.4	638.4	666.8	699.7	720.2	730.9	738.9	744.2	744.2
30°	1548.0	1355.9	791.3	601.0	633.1	660.6	684.6	698.8	710.4	716.6	717.5
32.5°	1565.7	1350.6	727.3	563.7	599.3	628.6	656.2	677.5	693.5	700.6	703.3
35°	1579.1	1339.0	659.7	535.2	568.1	599.3	630.4	657.1	677.5	690.0	692.6
37.5°	1592.4	1327.5	597.5	505.0	541.5	575.3	610.8	636.6	660.6	677.5	682.8
40°	1611.1	1319.5	542.4	478.3	521.0	558.4	590.4	620.6	648.2	663.3	668.6
42.5°	1636.9	1314.1	495.2	458.8	505.0	547.7	581.5	620.6	654.4	661.5	665.1
45°	1671.5	1314.1	457.0	442.8	497.0	547.7	589.5	632.2	658.8	656.2	658.8
47.5°	1709.8	1314.1	426.8	428.6	493.5	554.8	601.9	653.5	682.0	690.0	695.3
50°	1763.1	1314.1	402.8	416.1	487.2	566.4	643.7	696.2	713.1	715.7	717.5
52.5°	1821.8	1325.7	385.0	403.7	485.5	603.7	676.6	694.4	693.5	685.5	684.6
55°	1892.0	1346.1	369.0	389.4	491.7	610.8	655.3	660.6	643.7	628.6	625.1
57.5°	1963.2	1371.9	353.0	371.7	466.8	567.3	620.6	616.2	615.3	607.3	606.4
60°	2041.4	1401.3	335.2	342.3	417.0	525.5	573.5	608.2	617.9	609.9	608.2
62.5°	2099.2	1435.0	316.5	310.3	374.3	488.1	556.6	600.2	618.8	618.8	617.9
65°	2126.8	1451.9	298.7	281.0	337.9	449.0	540.6	577.9	601.0	607.3	605.5
67.5°	2094.8	1428.8	285.4	256.1	303.2	409.0	514.8	549.5	579.7	589.5	588.6
70°	2039.6	1410.1	274.7	230.3	273.0	366.3	489.0	526.4	556.6	573.5	571.7
72.5°	1919.6	1344.3	248.1	208.1	239.2	332.5	457.9	501.5	529.9	548.6	547.7
75°	1647.5	1181.6	207.2	187.6	202.7	299.6	424.1	473.0	493.5	511.2	510.4
77.5°	1214.5	888.2	162.7	158.3	169.8	265.0	381.4	429.4	445.4	458.8	456.1
80°	640.2	520.1	128.0	129.8	140.5	228.5	338.8	375.2	388.5	395.7	390.3
82.5°	279.2	224.9	95.1	103.1	110.3	183.2	279.2	311.2	320.1	314.7	299.6
85°	88.9	61.3	56.9	67.6	74.7	121.8	216.9	241.8	257.0	241.0	237.4
87.5°	22.2	20.4	24.0	34.7	39.1	67.6	147.6	152.9	173.4	53.3	49.8
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)