

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: P1208343

Luminaire Tested: UPW-SA1-060-740-U-SL4

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208343
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-SA1-060-740-U-SL4
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 4000K, 1050mA 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: 7371 lumens
Efficiency: N/A
Efficacy: 124.9 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): 59
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

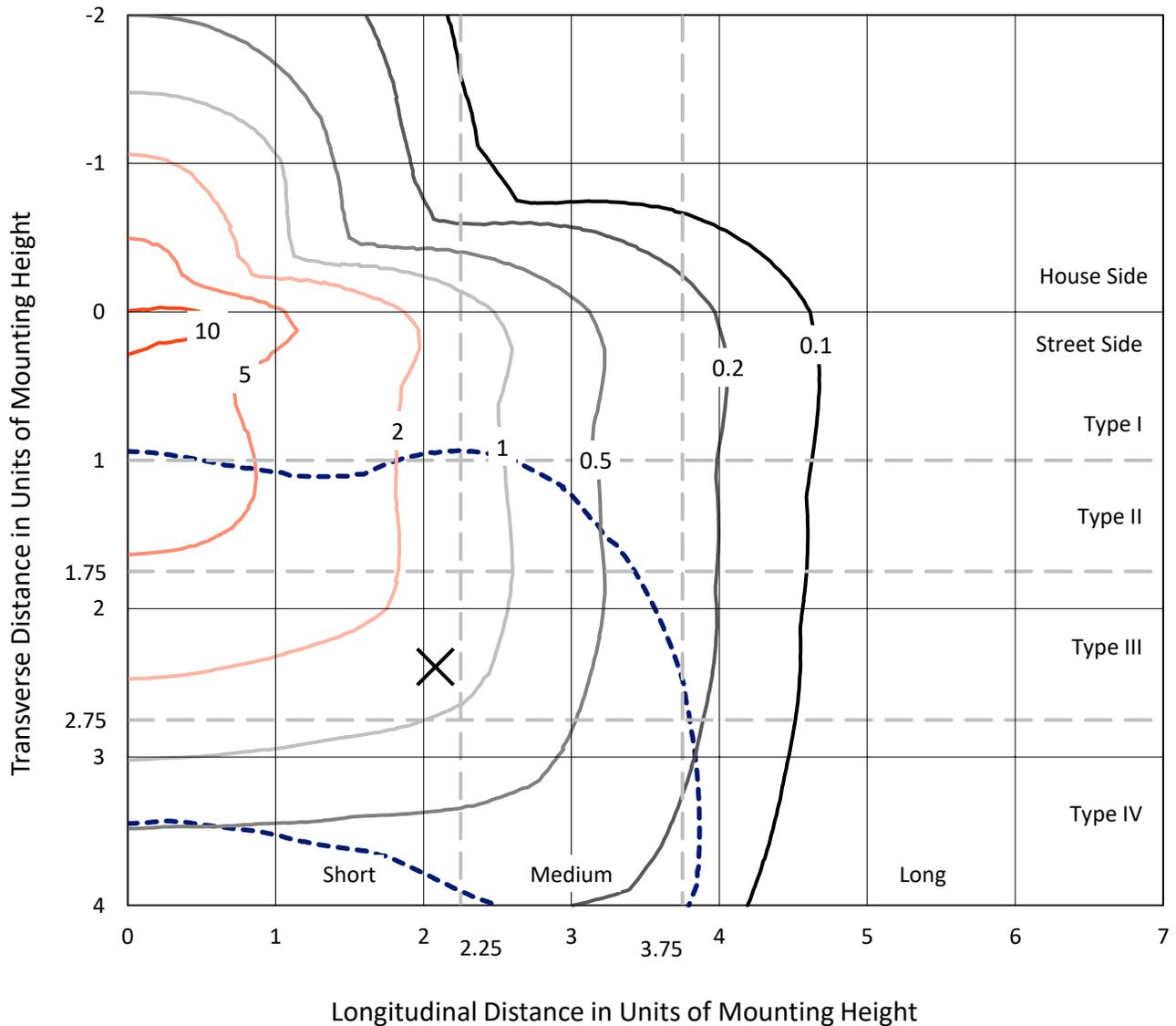


REPORT NUMBER: P1208343

CATALOG NUMBER: UPW-SA1-060-740-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

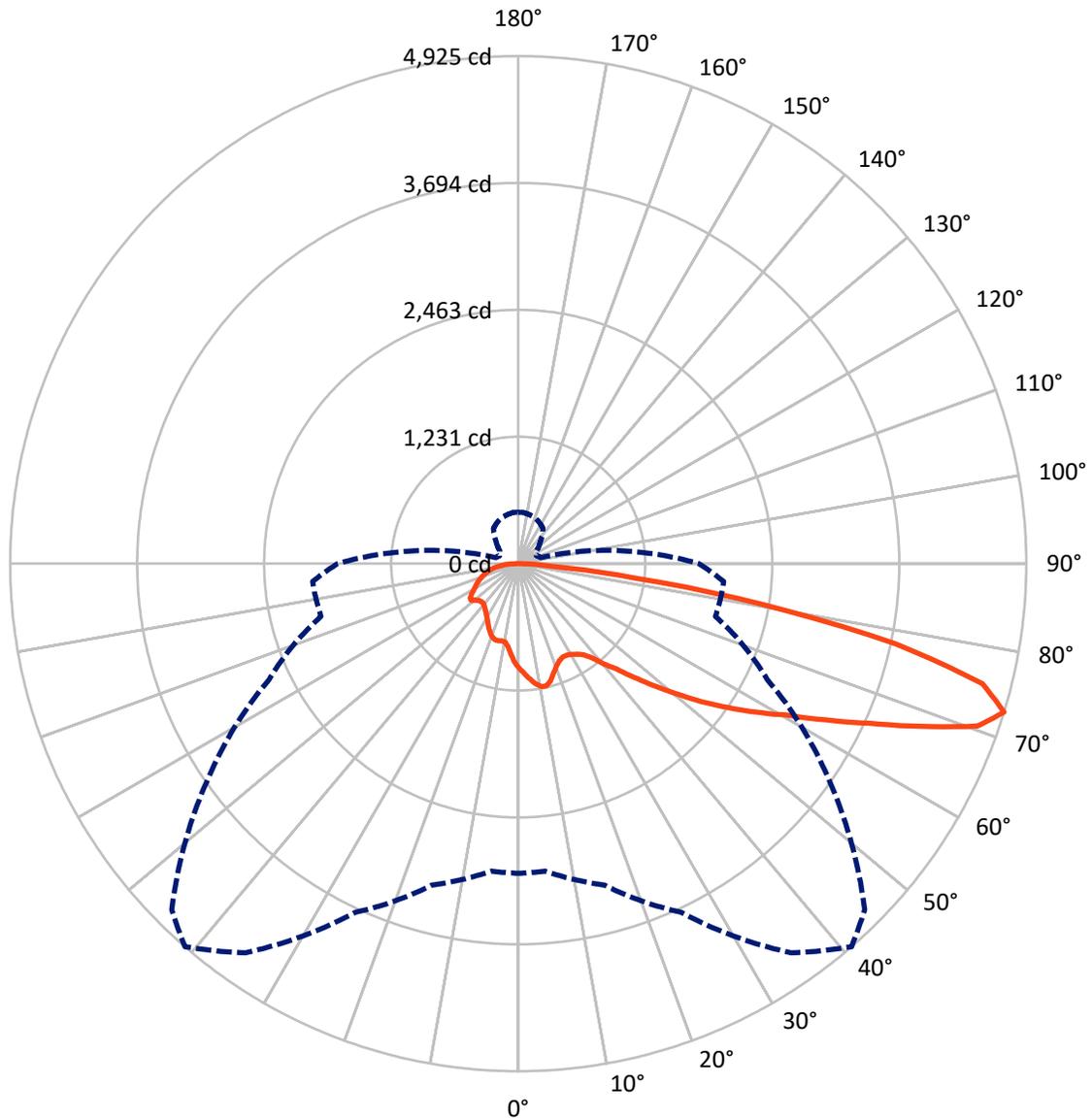


Based on 10 foot mounting height. Maximum calculated value = 11.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P1208343

CATALOG NUMBER: UPW-SA1-060-740-U-SL4

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	1595.0	0.0	1595.0
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	5776.0	0.0	5776.0
	% Fixture	78.4	0.0	78.4
Total	Lumens	7371.0	0.0	7371.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.6	1.3
10°-20°	291.1	3.9
20°-30°	447.4	6.1
30°-40°	615.1	8.3
40°-50°	937.2	12.7
50°-60°	1384.1	18.8
60°-70°	1817.7	24.7
70°-80°	1557.4	21.1
80°-90°	224.4	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°	7371.0	100.0
0°-180°	7371.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1208343

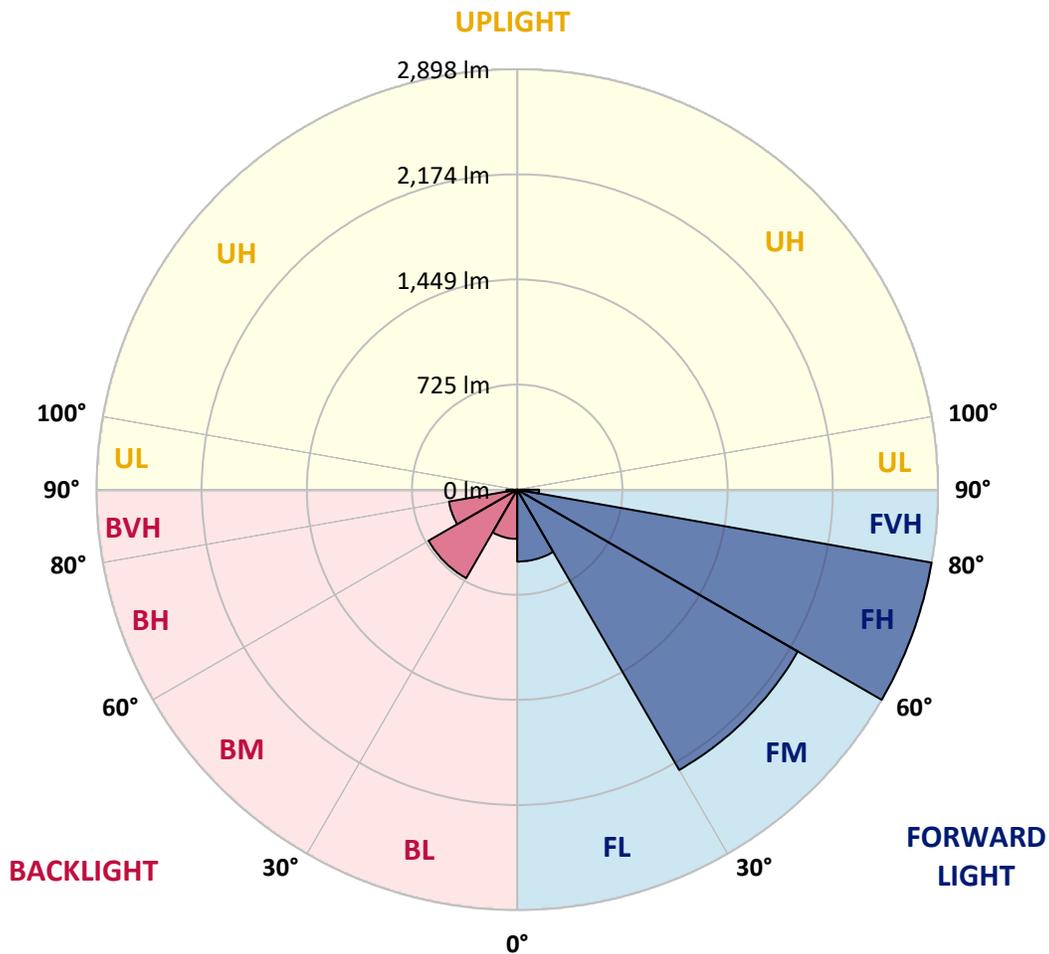
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	495.7	6.7			
FM	(30°-60°)	2231.5	30.3			
FH	(60°-80°)	2898.1	39.3			G2/5000
FVH	(80°-90°)	150.7	2.0			G2/225
BL	(0°-30°)	339.5	4.6	B1/500		
BM	(30°-60°)	704.9	9.6	B1/1000		
BH	(60°-80°)	476.9	6.5	B1/500		G1/500
BVH	(80°-90°)	73.7	1.0			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





REPORT NUMBER: P1208343

CATALOG NUMBER: UPW-SA1-060-740-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	41°	45°	55°	65°	75°	85°
0°	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1
2.5°	1078.8	1075.5	1075.5	1073.1	1069.0	1063.4	1062.6	1055.3	1048.0	1037.4	1026.9
5°	1141.2	1136.3	1134.7	1131.5	1127.4	1119.3	1120.1	1107.1	1091.7	1071.5	1050.4
7.5°	1185.8	1182.5	1181.7	1182.5	1176.8	1172.8	1172.8	1157.4	1142.0	1120.1	1087.7
10°	1201.2	1197.1	1200.3	1207.6	1213.3	1212.5	1216.6	1210.9	1199.5	1180.9	1135.5
12.5°	1173.6	1173.6	1175.2	1184.9	1203.6	1218.2	1231.1	1254.7	1265.2	1249.0	1192.2
15°	1131.5	1129.0	1126.6	1130.6	1153.3	1177.7	1205.2	1268.4	1314.6	1313.8	1252.2
17.5°	1106.3	1104.7	1087.7	1071.5	1083.6	1112.0	1146.9	1248.2	1346.2	1373.0	1312.2
20°	1091.7	1088.5	1068.2	1035.8	1031.0	1060.1	1086.9	1206.8	1351.1	1429.7	1368.9
22.5°	1079.6	1078.0	1052.0	1009.1	996.9	1021.2	1048.8	1156.6	1333.3	1467.0	1419.2
25°	1085.3	1082.0	1049.6	998.5	983.9	1004.2	1028.5	1116.9	1301.7	1488.1	1459.7
27.5°	1112.8	1112.8	1069.9	1009.1	990.4	1004.2	1022.8	1095.0	1267.6	1493.8	1497.0
30°	1176.0	1173.6	1119.3	1045.5	1015.6	1021.2	1034.2	1087.7	1234.4	1483.2	1521.3
32.5°	1287.1	1279.0	1211.7	1111.2	1052.8	1047.2	1049.6	1082.8	1200.3	1464.6	1544.8
35°	1488.9	1467.0	1364.1	1227.1	1119.3	1084.4	1074.7	1087.7	1180.1	1451.6	1566.7
37.5°	1758.0	1727.2	1599.9	1406.2	1234.4	1159.8	1126.6	1111.2	1176.8	1436.2	1587.8
40°	2014.1	1995.4	1844.7	1618.6	1383.5	1279.0	1224.7	1146.9	1180.9	1426.5	1616.9
42.5°	2340.7	2310.7	2135.7	1841.5	1547.2	1396.5	1317.9	1194.7	1206.8	1433.0	1650.2
45°	2692.5	2686.8	2468.8	2115.4	1751.5	1570.7	1471.1	1284.6	1257.1	1458.9	1699.6
47.5°	3072.6	3046.7	2818.1	2433.9	1983.3	1766.1	1642.9	1388.4	1329.2	1502.7	1765.3
50°	3396.0	3377.4	3142.3	2728.1	2236.2	1980.0	1836.6	1514.0	1419.2	1561.8	1834.2
52.5°	3568.6	3554.8	3410.6	3037.8	2495.5	2222.4	2015.7	1645.3	1531.8	1635.6	1909.5
55°	3527.3	3519.2	3518.4	3271.2	2778.4	2466.3	2220.0	1785.5	1661.5	1723.9	1998.7
57.5°	3515.9	3502.2	3509.5	3432.5	3047.5	2718.4	2446.9	1959.8	1823.6	1830.1	2091.9
60°	3527.3	3519.2	3560.5	3532.2	3300.4	2982.6	2711.1	2171.3	1993.0	1938.7	2175.4
62.5°	3632.7	3613.2	3645.6	3705.6	3575.9	3340.9	3045.0	2423.4	2181.1	2020.6	2240.2
65°	3793.9	3757.5	3768.0	3919.6	3900.9	3731.5	3441.4	2751.6	2357.7	2086.2	2270.2
67.5°	3840.1	3828.0	3855.5	4049.3	4243.0	4213.8	3943.9	3113.9	2530.4	2123.5	2236.2
70°	3649.7	3634.3	3757.5	4056.5	4579.3	4722.0	4471.5	3463.3	2677.9	2109.7	2158.4
72.5°	3004.5	2994.8	3229.0	3733.2	4610.1	4925.4	4750.3	3685.3	2665.7	1979.2	2000.3
75°	1943.6	1911.2	2287.2	2935.6	4136.8	4647.4	4523.4	3405.7	2335.0	1759.6	1723.1
77.5°	687.3	772.4	988.0	1745.8	3143.1	3740.5	3533.0	2554.7	1724.7	1289.5	1214.1
80°	239.9	252.1	315.3	654.1	1700.4	2395.8	2228.9	1480.8	921.5	671.9	644.3
82.5°	141.0	147.5	165.3	239.9	625.7	1137.9	949.9	621.7	337.2	288.5	252.9
85°	47.8	51.1	85.9	123.2	222.1	329.1	295.8	159.7	130.5	116.7	75.4
87.5°	9.7	11.3	18.6	40.5	74.6	84.3	64.0	38.9	54.3	54.3	25.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1208343

CATALOG NUMBER: UPW-SA1-060-740-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1	1013.1
2.5°	1019.6	1012.3	999.3	987.2	974.2	964.5	952.3	942.6	944.2	938.6	936.9
5°	1036.6	1021.2	990.4	958.0	924.8	893.2	866.4	844.5	832.4	825.9	825.1
7.5°	1064.2	1040.7	985.6	926.4	864.0	821.0	792.7	778.9	777.3	775.6	773.2
10°	1107.1	1069.9	983.9	889.1	810.5	773.2	768.4	778.1	791.9	799.2	799.2
12.5°	1152.5	1104.7	983.1	851.0	769.2	757.0	778.9	806.4	829.1	839.7	838.1
15°	1201.2	1139.6	971.0	808.1	740.0	757.8	795.9	825.9	849.4	859.1	859.9
17.5°	1253.0	1171.2	950.7	761.1	718.9	756.2	795.1	821.0	842.1	849.4	847.8
20°	1297.6	1199.5	922.3	713.2	700.3	740.8	775.6	795.1	807.3	808.9	808.9
22.5°	1334.1	1219.8	881.0	668.7	674.3	714.0	740.8	751.3	756.2	758.6	757.8
25°	1369.7	1233.6	834.0	627.3	643.5	678.4	697.8	707.6	710.8	713.2	714.9
27.5°	1394.1	1240.1	778.9	581.9	607.9	637.9	656.5	666.2	673.5	678.4	678.4
30°	1411.1	1236.0	721.3	547.9	577.1	602.2	624.1	637.1	647.6	653.3	654.1
32.5°	1427.3	1231.1	663.0	513.9	546.3	573.0	598.1	617.6	632.2	638.7	641.1
35°	1439.4	1220.6	601.4	487.9	517.9	546.3	574.6	599.0	617.6	628.9	631.4
37.5°	1451.6	1210.1	544.7	460.4	493.6	524.4	556.8	580.3	602.2	617.6	622.5
40°	1468.6	1202.8	494.4	436.0	475.0	509.0	538.2	565.7	590.9	604.6	609.5
42.5°	1492.1	1197.9	451.4	418.2	460.4	499.3	530.1	565.7	596.5	603.0	606.3
45°	1523.7	1197.9	416.6	403.6	453.1	499.3	537.4	576.3	600.6	598.1	600.6
47.5°	1558.6	1197.9	389.0	390.7	449.8	505.8	548.7	595.7	621.7	628.9	633.8
50°	1607.2	1197.9	367.2	379.3	444.2	516.3	586.8	634.6	650.0	652.5	654.1
52.5°	1660.7	1208.5	350.9	368.0	442.5	550.3	616.8	633.0	632.2	624.9	624.1
55°	1724.7	1227.1	336.4	355.0	448.2	556.8	597.3	602.2	586.8	573.0	569.8
57.5°	1789.6	1250.6	321.8	338.8	425.5	517.1	565.7	561.7	560.9	553.6	552.8
60°	1860.9	1277.3	305.6	312.0	380.1	479.0	522.8	554.4	563.3	556.0	554.4
62.5°	1913.6	1308.1	288.5	282.9	341.2	445.0	507.4	547.1	564.1	564.1	563.3
65°	1938.7	1323.5	272.3	256.1	308.0	409.3	492.8	526.8	547.9	553.6	551.9
67.5°	1909.5	1302.5	260.2	233.4	276.4	372.8	469.3	500.9	528.4	537.4	536.6
70°	1859.3	1285.5	250.4	209.9	248.8	333.9	445.8	479.8	507.4	522.8	521.2
72.5°	1749.9	1225.5	226.1	189.7	218.0	303.1	417.4	457.1	483.1	500.1	499.3
75°	1501.9	1077.2	188.8	171.0	184.8	273.1	386.6	431.2	449.8	466.0	465.2
77.5°	1107.1	809.7	148.3	144.3	154.8	241.5	347.7	391.5	406.1	418.2	415.8
80°	583.6	474.1	116.7	118.3	128.1	208.3	308.8	342.0	354.2	360.7	355.8
82.5°	254.5	205.1	86.7	94.0	100.5	167.0	254.5	283.7	291.8	286.9	273.1
85°	81.0	55.9	51.9	61.6	68.1	111.0	197.8	220.5	234.2	219.6	216.4
87.5°	20.3	18.6	21.9	31.6	35.7	61.6	134.5	139.4	158.0	48.6	45.4
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)