

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: P1208262

Luminaire Tested: UPW-SA1-060-727-U-SL4

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208262
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-727-U-SL4
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 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: 6164 lumens
Efficiency: N/A
Efficacy: 104.5 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

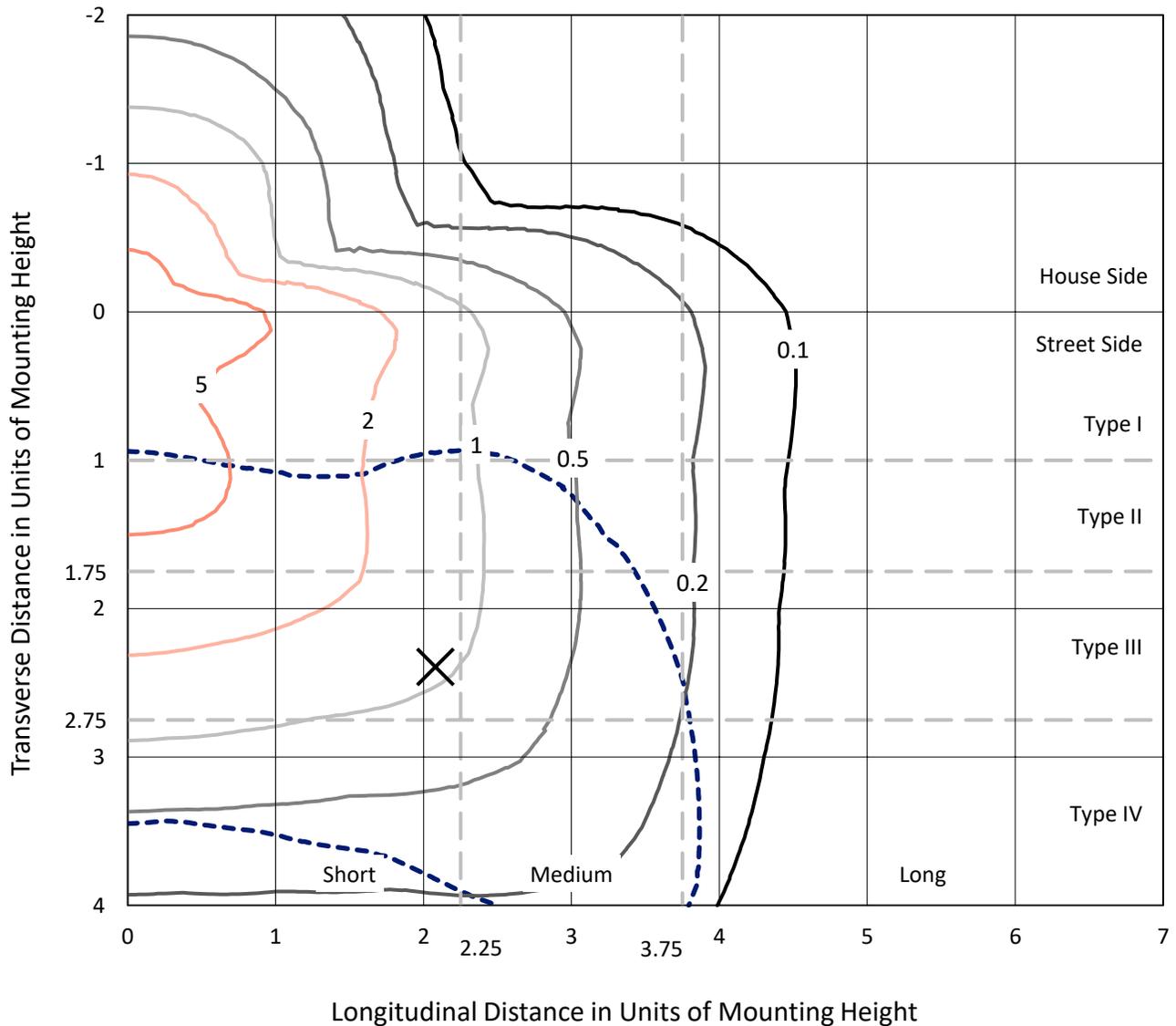


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

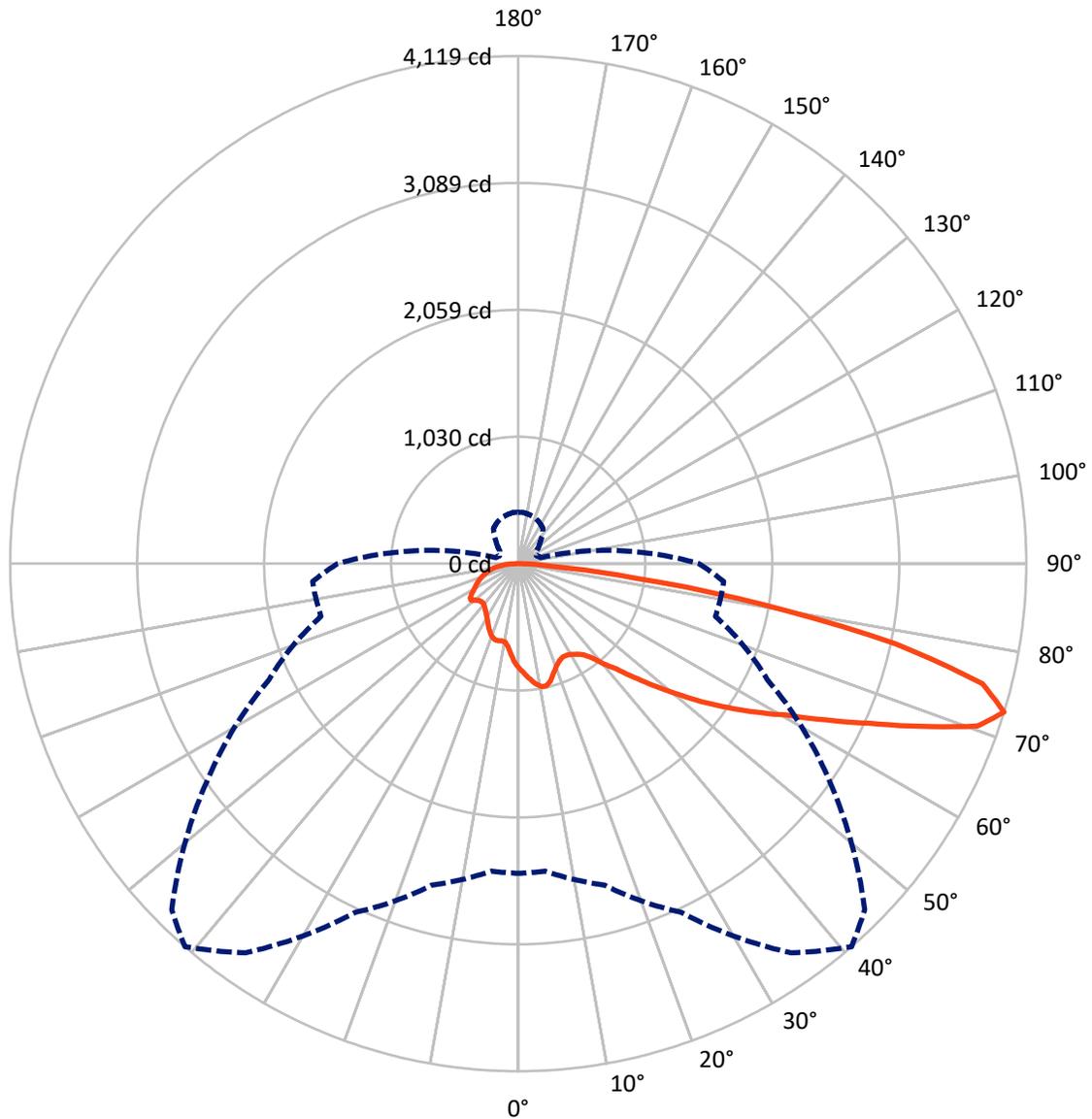


Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
 Type IV - Short - N/A

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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	1333.8	0.0	1333.8
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	4830.2	0.0	4830.2
	% Fixture	78.4	0.0	78.4
Total	Lumens	6164.0	0.0	6164.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.8	1.3
10°-20°	243.4	3.9
20°-30°	374.2	6.1
30°-40°	514.4	8.3
40°-50°	783.8	12.7
50°-60°	1157.4	18.8
60°-70°	1520.0	24.7
70°-80°	1302.4	21.1
80°-90°	187.6	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°	6164.0	100.0
0°-180°	6164.0	100.0

Coefficient of Utilization



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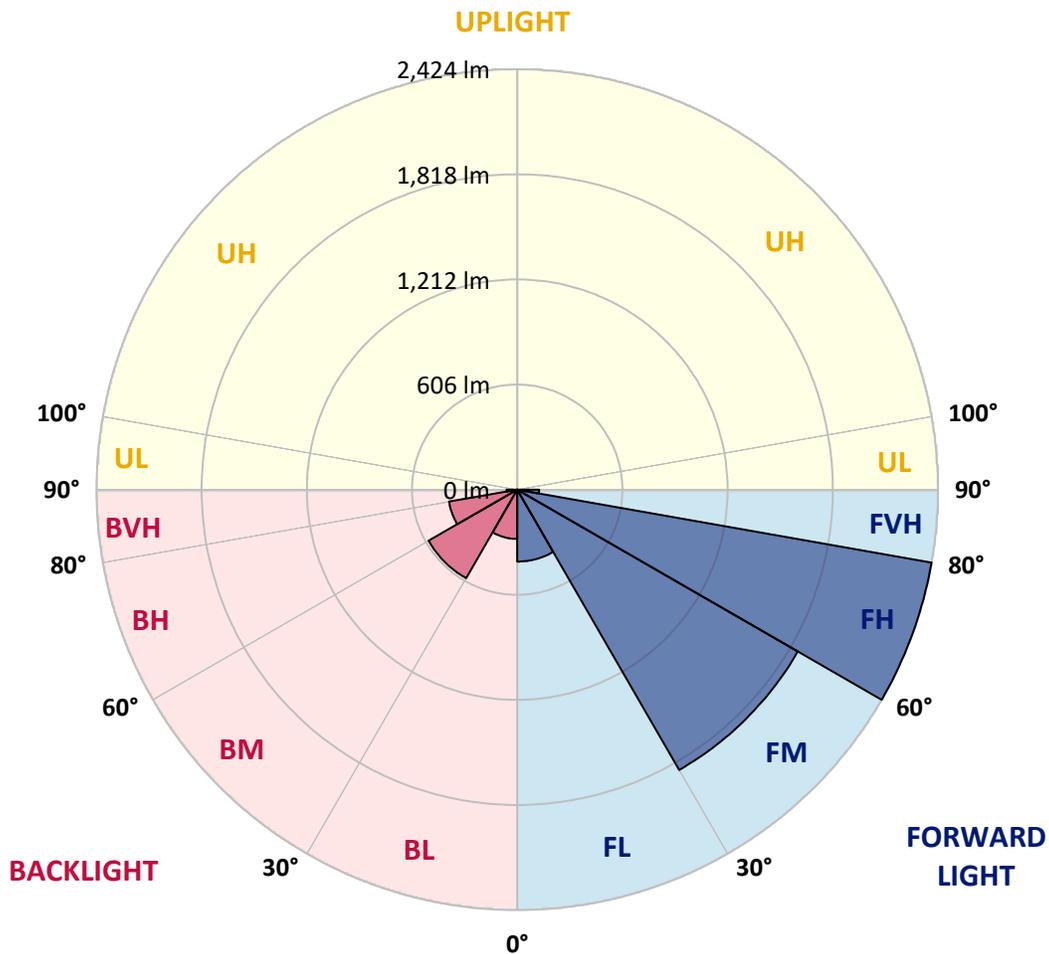
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	414.6	6.7			
FM (30°-60°)	1866.0	30.3			
FH (60°-80°)	2423.6	39.3			G2/5000
FVH (80°-90°)	126.0	2.0			G2/225
BL (0°-30°)	283.9	4.6	B1/500		
BM (30°-60°)	589.5	9.6	B1/1000		
BH (60°-80°)	398.8	6.5	B1/500		G1/500
BVH (80°-90°)	61.6	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	41°	45°	55°	65°	75°	85°
0°	847.2	847.2	847.2	847.2	847.2	847.2	847.2	847.2	847.2	847.2	847.2
2.5°	902.1	899.4	899.4	897.4	894.0	889.2	888.6	882.5	876.4	867.6	858.7
5°	954.3	950.2	948.9	946.2	942.8	936.0	936.7	925.8	913.0	896.0	878.4
7.5°	991.6	988.9	988.2	988.9	984.1	980.7	980.7	967.9	955.0	936.7	909.6
10°	1004.5	1001.1	1003.8	1009.9	1014.6	1014.0	1017.3	1012.6	1003.1	987.5	949.6
12.5°	981.4	981.4	982.8	990.9	1006.5	1018.7	1029.5	1049.2	1058.0	1044.5	997.0
15°	946.2	944.1	942.1	945.5	964.5	984.8	1007.9	1060.7	1099.4	1098.7	1047.2
17.5°	925.2	923.8	909.6	896.0	906.2	929.9	959.1	1043.8	1125.8	1148.2	1097.3
20°	913.0	910.3	893.3	866.2	862.1	886.5	908.9	1009.2	1129.9	1195.6	1144.8
22.5°	902.8	901.4	879.8	843.8	833.7	854.0	877.0	967.2	1114.9	1226.8	1186.8
25°	907.5	904.8	877.7	835.0	822.8	839.8	860.1	934.0	1088.5	1244.4	1220.7
27.5°	930.6	930.6	894.7	843.8	828.2	839.8	855.4	915.7	1060.0	1249.1	1251.9
30°	983.5	981.4	936.0	874.3	849.3	854.0	864.8	909.6	1032.3	1240.3	1272.2
32.5°	1076.3	1069.5	1013.3	929.2	880.4	875.7	877.7	905.5	1003.8	1224.7	1291.8
35°	1245.1	1226.8	1140.7	1026.2	936.0	906.9	898.7	909.6	986.8	1213.9	1310.1
37.5°	1470.1	1444.3	1337.9	1175.9	1032.3	969.9	942.1	929.2	984.1	1201.0	1327.8
40°	1684.3	1668.7	1542.6	1353.5	1157.0	1069.5	1024.1	959.1	987.5	1192.9	1352.2
42.5°	1957.4	1932.4	1786.0	1539.9	1293.9	1167.8	1102.1	999.0	1009.2	1198.3	1380.0
45°	2251.6	2246.8	2064.5	1769.0	1464.7	1313.5	1230.2	1074.3	1051.2	1220.0	1421.3
47.5°	2569.5	2547.8	2356.6	2035.4	1658.5	1476.9	1373.9	1161.0	1111.6	1256.6	1476.2
50°	2839.9	2824.3	2627.8	2281.4	1870.0	1655.8	1535.8	1266.1	1186.8	1306.1	1533.8
52.5°	2984.3	2972.7	2852.1	2540.3	2086.9	1858.5	1685.6	1375.9	1281.0	1367.8	1596.8
55°	2949.7	2942.9	2942.2	2735.5	2323.4	2062.5	1856.4	1493.1	1389.4	1441.6	1671.4
57.5°	2940.2	2928.7	2934.8	2870.4	2548.5	2273.3	2046.2	1638.9	1525.0	1530.4	1749.4
60°	2949.7	2942.9	2977.5	2953.8	2759.9	2494.2	2267.2	1815.8	1666.7	1621.2	1819.2
62.5°	3037.8	3021.5	3048.7	3098.8	2990.4	2793.8	2546.4	2026.6	1823.9	1689.7	1873.4
65°	3172.7	3142.2	3151.0	3277.7	3262.2	3120.5	2877.9	2301.1	1971.7	1744.6	1898.5
67.5°	3211.3	3201.2	3224.2	3386.2	3548.2	3523.8	3298.1	2604.0	2116.0	1775.8	1870.0
70°	3052.0	3039.2	3142.2	3392.3	3829.5	3948.7	3739.3	2896.2	2239.4	1764.3	1804.9
72.5°	2512.5	2504.4	2700.3	3121.9	3855.2	4118.9	3972.5	3081.9	2229.2	1655.1	1672.8
75°	1625.3	1598.2	1912.7	2454.9	3459.4	3886.4	3782.7	2848.0	1952.7	1471.5	1441.0
77.5°	574.8	645.9	826.2	1459.9	2628.4	3128.0	2954.4	2136.4	1442.3	1078.3	1015.3
80°	200.6	210.8	263.7	547.0	1422.0	2003.5	1863.9	1238.3	770.6	561.9	538.8
82.5°	117.9	123.4	138.3	200.6	523.2	951.6	794.4	519.9	282.0	241.3	211.5
85°	40.0	42.7	71.8	103.0	185.7	275.2	247.4	133.5	109.1	97.6	63.0
87.5°	8.1	9.5	15.6	33.9	62.4	70.5	53.5	32.5	45.4	45.4	21.7
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°	847.2	847.2	847.2	847.2	847.2	847.2	847.2	847.2	847.2	847.2	847.2
2.5°	852.6	846.5	835.7	825.5	814.7	806.6	796.4	788.3	789.6	784.9	783.5
5°	866.9	854.0	828.2	801.1	773.3	746.9	724.5	706.2	696.1	690.7	690.0
7.5°	889.9	870.3	824.2	774.7	722.5	686.6	662.9	651.3	650.0	648.6	646.6
10°	925.8	894.7	822.8	743.5	677.8	646.6	642.5	650.7	662.2	668.3	668.3
12.5°	963.8	923.8	822.1	711.7	643.2	633.0	651.3	674.4	693.4	702.2	700.8
15°	1004.5	953.0	812.0	675.7	618.8	633.7	665.6	690.7	710.3	718.4	719.1
17.5°	1047.8	979.4	795.0	636.4	601.2	632.4	664.9	686.6	704.2	710.3	709.0
20°	1085.1	1003.1	771.3	596.4	585.6	619.5	648.6	664.9	675.1	676.4	676.4
22.5°	1115.6	1020.1	736.7	559.2	563.9	597.1	619.5	628.3	632.4	634.4	633.7
25°	1145.4	1031.6	697.4	524.6	538.2	567.3	583.6	591.7	594.4	596.4	597.8
27.5°	1165.8	1037.0	651.3	486.6	508.3	533.4	549.0	557.1	563.2	567.3	567.3
30°	1180.0	1033.6	603.2	458.2	482.6	503.6	521.9	532.7	541.5	546.3	547.0
32.5°	1193.6	1029.5	554.4	429.7	456.8	479.2	500.2	516.5	528.7	534.1	536.1
35°	1203.7	1020.7	502.9	408.0	433.1	456.8	480.5	500.9	516.5	526.0	528.0
37.5°	1213.9	1011.9	455.5	385.0	412.8	438.5	465.6	485.3	503.6	516.5	520.5
40°	1228.1	1005.8	413.4	364.6	397.2	425.6	450.0	473.1	494.1	505.6	509.7
42.5°	1247.8	1001.8	377.5	349.7	385.0	417.5	443.3	473.1	498.8	504.3	507.0
45°	1274.2	1001.8	348.4	337.5	378.9	417.5	449.4	481.9	502.2	500.2	502.2
47.5°	1303.4	1001.8	325.3	326.7	376.2	422.9	458.9	498.2	519.9	526.0	530.0
50°	1344.0	1001.8	307.0	317.2	371.4	431.7	490.7	530.7	543.6	545.6	547.0
52.5°	1388.8	1010.6	293.5	307.7	370.1	460.2	515.8	529.3	528.7	522.6	521.9
55°	1442.3	1026.2	281.3	296.9	374.8	465.6	499.5	503.6	490.7	479.2	476.5
57.5°	1496.5	1045.8	269.1	283.3	355.8	432.4	473.1	469.7	469.0	462.9	462.2
60°	1556.2	1068.2	255.5	260.9	317.9	400.6	437.2	463.6	471.1	465.0	463.6
62.5°	1600.2	1093.9	241.3	236.5	285.3	372.1	424.3	457.5	471.7	471.7	471.1
65°	1621.2	1106.8	227.7	214.2	257.6	342.3	412.1	440.6	458.2	462.9	461.6
67.5°	1596.8	1089.2	217.6	195.2	231.1	311.8	392.4	418.9	441.9	449.4	448.7
70°	1554.8	1075.0	209.4	175.5	208.1	279.2	372.8	401.2	424.3	437.2	435.8
72.5°	1463.3	1024.8	189.1	158.6	182.3	253.5	349.1	382.3	404.0	418.2	417.5
75°	1255.9	900.8	157.9	143.0	154.5	228.4	323.3	360.6	376.2	389.7	389.0
77.5°	925.8	677.1	124.0	120.6	129.5	202.0	290.8	327.4	339.6	349.7	347.7
80°	488.0	396.5	97.6	99.0	107.1	174.2	258.2	286.0	296.2	301.6	297.5
82.5°	212.8	171.5	72.5	78.6	84.0	139.6	212.8	237.2	244.0	239.9	228.4
85°	67.8	46.8	43.4	51.5	56.9	92.9	165.4	184.4	195.9	183.7	181.0
87.5°	16.9	15.6	18.3	26.4	29.8	51.5	112.5	116.6	132.2	40.7	38.0
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)