

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: P1208522

Luminaire Tested: UPW-SA1-070-727-U-T4W

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208522  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/19/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-070-727-U-T4W  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6882 lumens  
Efficiency: N/A  
Efficacy: 102.7 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

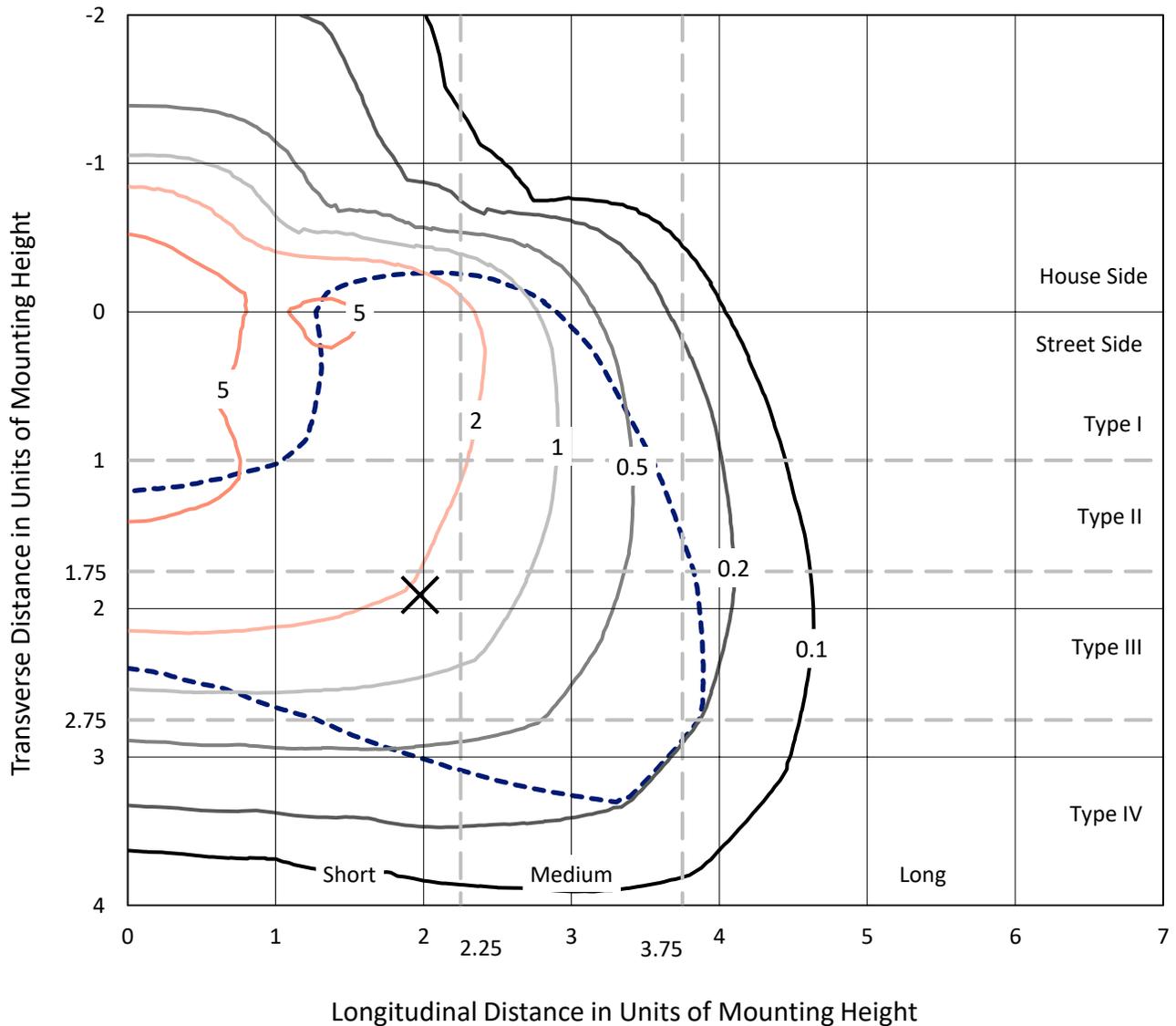
Input Watts (W): 67  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

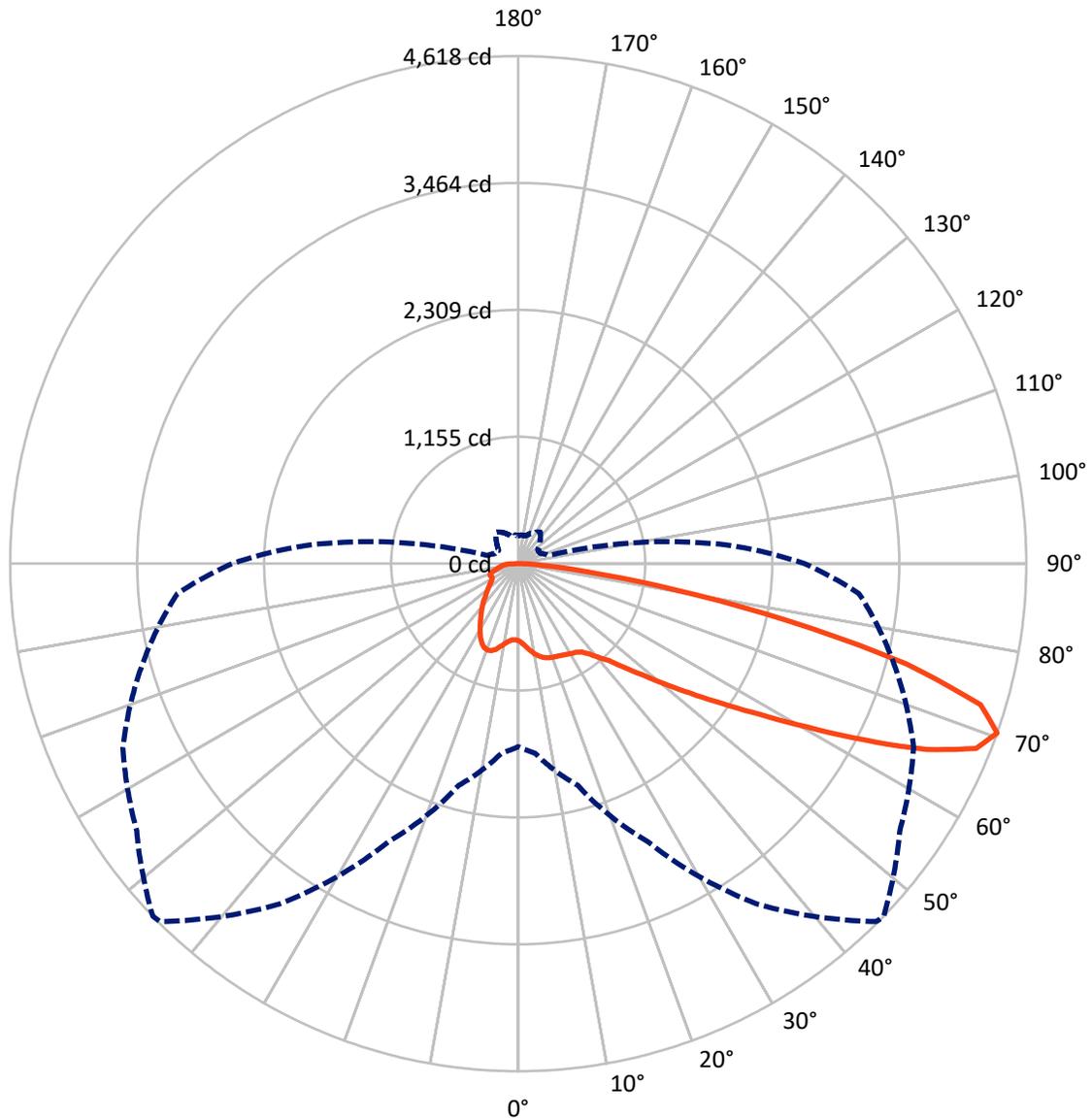
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1577.3	0.0	1577.3
	% Fixture	22.9	0.0	22.9
<b>Street Side</b>	Lumens	5304.7	0.0	5304.7
	% Fixture	77.1	0.0	77.1
<b>Total</b>	Lumens	6882.0	0.0	6882.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.5	1.0
10°-20°	238.1	3.5
20°-30°	397.1	5.8
30°-40°	563.5	8.2
40°-50°	828.8	12.0
50°-60°	1403.6	20.4
60°-70°	1992.4	29.0
70°-80°	1210.4	17.6
80°-90°	176.6	2.6
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°	6882.0	100.0
0°-180°	6882.0	100.0



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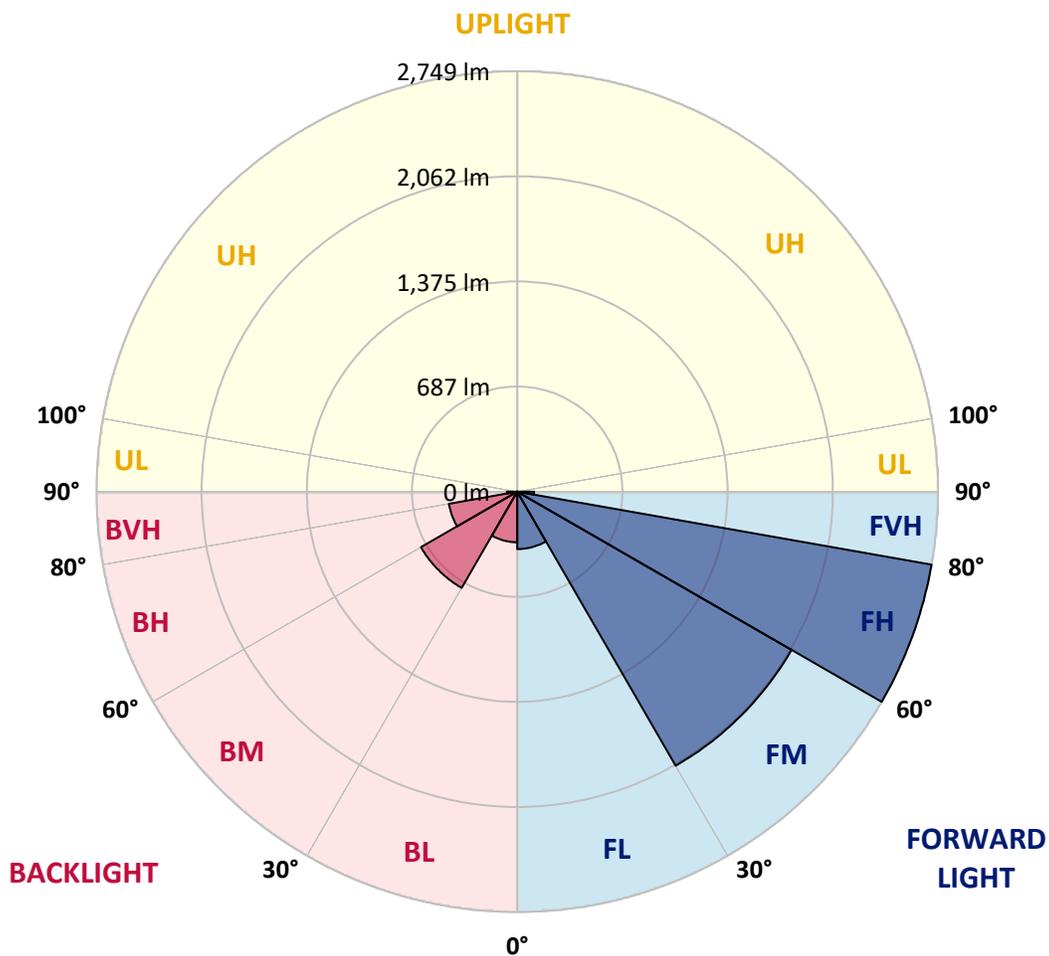
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	375.5	5.5			
FM (30°-60°)	2069.8	30.1			
FH (60°-80°)	2749.3	39.9			G2/5000
FVH (80°-90°)	110.0	1.6			G2/225
BL (0°-30°)	331.2	4.8	B1/500		
BM (30°-60°)	726.1	10.6	B1/1000		
BH (60°-80°)	453.5	6.6	B1/500		G1/500
BVH (80°-90°)	66.6	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°	45°	46°	55°	65°	75°	85°
0°	701.1	701.1	701.1	701.1	701.1	701.1	701.1	701.1	701.1	701.1	701.1
2.5°	736.2	736.7	737.6	735.3	728.7	726.8	726.1	719.3	714.8	708.2	702.6
5°	795.1	795.6	794.2	787.6	773.0	762.1	761.2	745.7	731.5	716.4	705.1
7.5°	856.6	857.3	852.8	840.3	819.8	801.0	799.8	778.6	757.2	734.3	717.4
10°	911.0	908.2	900.9	883.4	859.2	836.1	835.2	813.0	788.3	760.7	738.1
12.5°	947.3	944.9	935.5	914.3	887.7	866.5	864.6	844.1	820.1	789.9	762.8
15°	967.3	968.9	956.2	932.2	906.3	888.4	886.7	872.1	850.7	820.3	789.2
17.5°	969.9	971.3	959.0	935.2	914.1	901.8	901.1	891.4	875.9	846.7	814.2
20°	954.8	955.7	945.6	926.1	912.2	908.4	908.2	903.9	892.4	866.5	834.9
22.5°	932.9	933.6	926.3	912.2	907.5	913.3	915.0	913.3	905.1	880.8	851.2
25°	927.5	927.0	919.5	905.1	909.1	921.6	923.7	924.4	918.8	897.6	871.9
27.5°	953.6	952.0	937.6	914.5	917.1	932.2	935.0	941.8	938.3	919.7	895.4
30°	1029.2	1026.4	997.0	950.3	937.6	945.4	948.9	959.7	960.4	944.9	926.8
32.5°	1156.9	1153.3	1100.6	1017.2	972.2	958.8	962.1	978.3	987.1	975.1	955.5
35°	1318.2	1314.2	1245.0	1131.0	1030.2	984.5	986.8	999.8	1017.2	1000.3	974.3
37.5°	1486.4	1476.7	1410.1	1264.7	1122.2	1039.3	1039.3	1041.0	1049.2	1013.9	996.5
40°	1653.6	1643.9	1583.6	1422.1	1241.4	1125.8	1120.4	1083.9	1077.3	1046.9	1041.0
42.5°	1809.0	1806.2	1770.6	1599.9	1381.3	1210.8	1203.3	1141.3	1142.7	1123.9	1124.1
45°	1974.4	1974.4	1945.4	1779.3	1544.3	1347.4	1339.9	1248.7	1262.9	1254.1	1275.1
47.5°	2109.3	2113.6	2109.5	1966.4	1733.9	1521.0	1507.3	1397.6	1437.1	1467.1	1528.0
50°	2247.1	2253.7	2254.4	2171.5	1963.1	1727.3	1711.8	1595.2	1683.5	1769.2	1889.1
52.5°	2447.0	2461.9	2402.8	2376.2	2243.8	1972.2	1956.9	1849.3	1996.7	2117.1	2323.6
55°	2632.4	2619.4	2577.3	2593.8	2544.3	2251.1	2239.6	2145.1	2345.8	2502.2	2770.4
57.5°	2732.7	2731.8	2774.2	2844.8	2868.4	2595.0	2585.3	2493.4	2739.3	2856.8	3189.9
60°	2850.5	2852.1	2957.2	3117.6	3214.6	3023.1	3018.9	2949.2	3121.6	3188.0	3518.9
62.5°	2867.0	2896.7	3077.5	3353.6	3538.7	3523.4	3532.8	3359.7	3463.5	3452.2	3764.5
65°	2677.4	2716.5	3043.9	3424.9	3860.9	4070.5	4079.2	3772.5	3733.2	3678.1	3852.4
67.5°	2288.8	2346.7	2702.3	3269.7	3967.1	4474.9	4487.1	4092.6	3957.0	3754.6	3640.9
70°	1665.6	1729.9	2087.9	2792.6	3777.7	4604.2	4618.1	4234.2	3965.4	3536.8	3108.1
72.5°	1006.1	1056.5	1351.6	2055.8	3188.5	4368.6	4393.4	4054.7	3620.4	2995.8	2295.1
75°	441.8	474.8	653.6	1184.7	2282.7	3614.5	3645.4	3470.6	2941.6	2177.1	1356.6
77.5°	188.2	197.6	268.0	514.6	1290.4	2469.9	2512.3	2535.8	1995.8	1184.7	573.3
80°	117.3	121.1	151.7	232.9	603.9	1387.2	1432.9	1492.0	991.1	435.5	200.2
82.5°	71.4	75.6	100.8	140.8	314.4	628.8	650.7	692.4	384.6	188.2	103.6
85°	42.9	45.9	61.7	89.0	179.0	247.3	247.1	273.2	181.1	121.1	54.6
87.5°	20.5	22.8	33.0	46.2	90.2	92.8	86.9	98.4	110.0	79.4	27.6
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°	701.1	701.1	701.1	701.1	701.1	701.1	701.1	701.1	701.1	701.1	701.1
2.5°	700.7	699.7	696.7	694.3	693.8	692.4	691.2	692.0	692.9	693.1	693.1
5°	700.4	697.8	693.8	692.2	694.3	697.1	700.7	705.4	708.2	710.3	711.7
7.5°	711.7	706.8	702.3	701.4	705.6	713.2	721.2	731.1	737.9	742.6	743.5
10°	730.6	724.5	720.0	720.9	728.5	739.3	750.6	763.3	773.7	780.0	780.5
12.5°	752.2	746.4	742.1	746.1	758.6	771.8	783.6	794.6	804.1	810.4	810.4
15°	777.2	773.0	768.0	777.2	794.2	805.9	810.9	816.3	821.5	826.2	825.3
17.5°	801.2	797.2	794.6	805.5	823.1	828.6	825.3	821.3	821.3	823.8	824.3
20°	822.0	818.4	820.1	830.7	839.9	834.2	822.0	809.2	804.1	805.5	806.9
22.5°	840.1	838.4	843.4	848.3	841.7	822.0	799.4	782.2	775.8	775.3	775.8
25°	861.3	861.1	867.2	858.2	829.0	792.5	762.1	745.4	741.9	744.7	749.4
27.5°	887.7	890.3	893.3	860.6	803.1	748.0	717.2	705.6	709.1	716.0	720.5
30°	921.4	928.4	921.8	854.7	765.9	697.1	667.7	664.4	674.1	683.7	688.4
32.5°	954.1	965.2	949.1	839.4	717.9	643.2	620.4	619.4	631.2	640.6	647.2
35°	980.5	1002.4	969.6	809.0	662.3	593.5	576.8	570.4	574.7	585.7	593.3
37.5°	1014.9	1051.4	983.8	762.6	602.0	552.5	533.0	518.4	514.6	519.1	522.9
40°	1077.7	1126.0	990.4	697.8	543.1	511.5	491.8	470.3	455.5	444.7	444.9
42.5°	1180.4	1223.3	986.1	619.2	488.7	471.5	449.1	424.4	400.4	375.9	374.0
45°	1347.2	1367.9	973.4	535.8	440.9	429.6	408.6	383.9	351.9	324.1	321.5
47.5°	1614.0	1568.1	953.6	463.0	398.7	394.0	374.7	346.2	312.3	289.9	288.0
50°	1977.9	1857.1	944.0	405.1	361.5	362.9	347.2	317.0	285.0	268.5	266.6
52.5°	2413.1	2193.6	962.6	360.3	331.6	336.6	324.8	296.5	269.7	256.7	254.8
55°	2864.6	2542.2	982.6	327.8	303.3	313.0	309.0	285.7	261.4	249.4	247.8
57.5°	3251.1	2802.4	942.5	301.5	278.1	293.2	296.8	278.9	257.2	246.4	244.5
60°	3494.4	2907.3	837.5	276.7	258.1	277.4	289.7	277.0	258.8	257.9	256.5
62.5°	3609.8	2898.1	679.9	257.2	245.6	270.6	294.9	287.6	277.7	286.2	286.9
65°	3558.0	2759.6	506.4	244.2	236.7	273.2	310.4	307.6	283.1	291.6	292.8
67.5°	3217.0	2429.1	374.9	232.9	226.8	280.5	338.7	314.2	272.5	278.6	274.9
70°	2600.1	1925.8	289.2	220.2	216.7	279.6	351.4	310.2	261.0	262.4	252.2
72.5°	1793.0	1313.3	235.3	208.4	202.1	254.8	342.4	300.3	251.3	240.5	227.0
75°	975.1	704.9	200.0	196.2	176.4	223.7	326.0	293.2	242.6	228.2	220.7
77.5°	383.7	292.5	173.6	179.5	154.3	197.6	307.6	279.8	230.6	211.7	208.0
80°	156.6	149.3	143.9	155.2	132.6	172.9	285.4	264.0	216.2	196.4	188.9
82.5°	88.8	92.8	111.9	122.5	107.6	159.2	274.9	251.3	199.0	175.9	167.0
85°	45.5	54.4	78.0	87.8	79.1	135.4	253.2	220.0	159.7	134.7	135.4
87.5°	21.9	30.4	49.2	55.1	51.3	98.0	189.1	159.4	124.4	98.4	95.4
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)