

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: P1208622

Luminaire Tested: UPW-SA1-070-750-U-T2R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208622
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-750-U-T2R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8631 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - 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

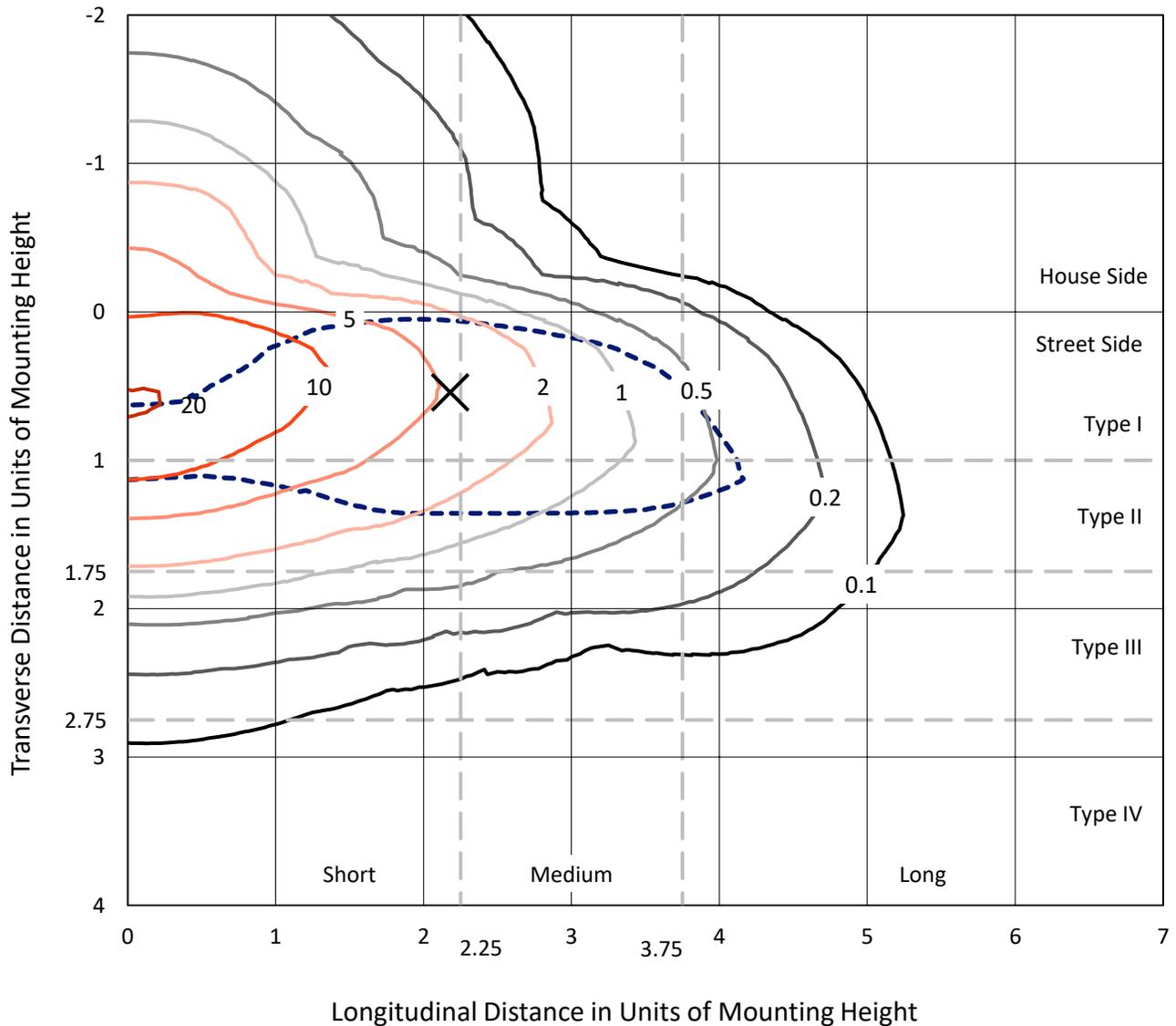


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

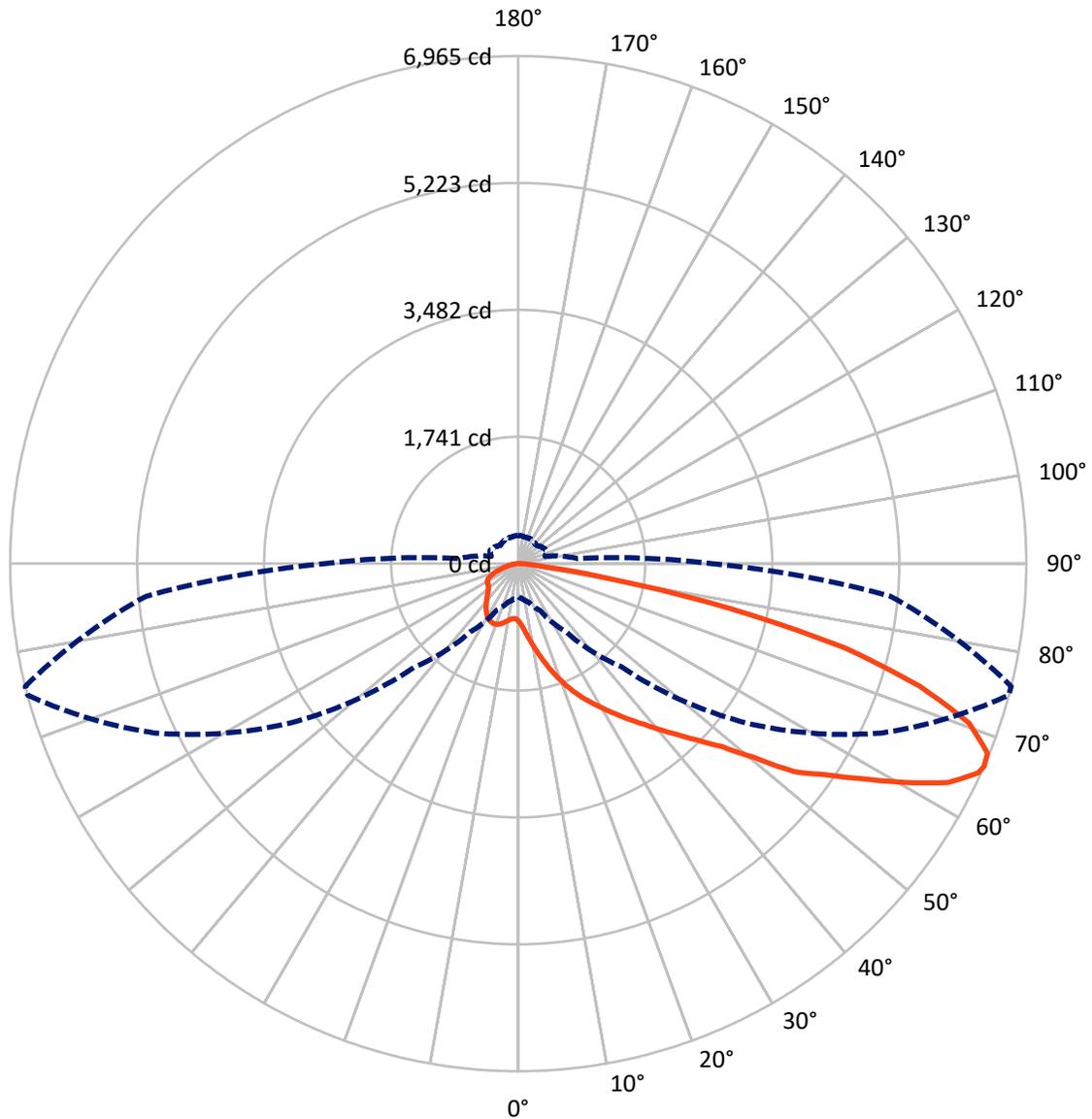


Based on 10 foot mounting height. Maximum calculated value = 20.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1452.3	0.0	1452.3
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	7178.7	0.0	7178.7
	% Fixture	83.2	0.0	83.2
Total	Lumens	8631.0	0.0	8631.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.3	1.1
10°-20°	376.4	4.4
20°-30°	731.4	8.5
30°-40°	1193.8	13.8
40°-50°	1631.1	18.9
50°-60°	1899.9	22.0
60°-70°	1703.3	19.7
70°-80°	860.8	10.0
80°-90°	139.0	1.6
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°	8631.0	100.0
0°-180°	8631.0	100.0



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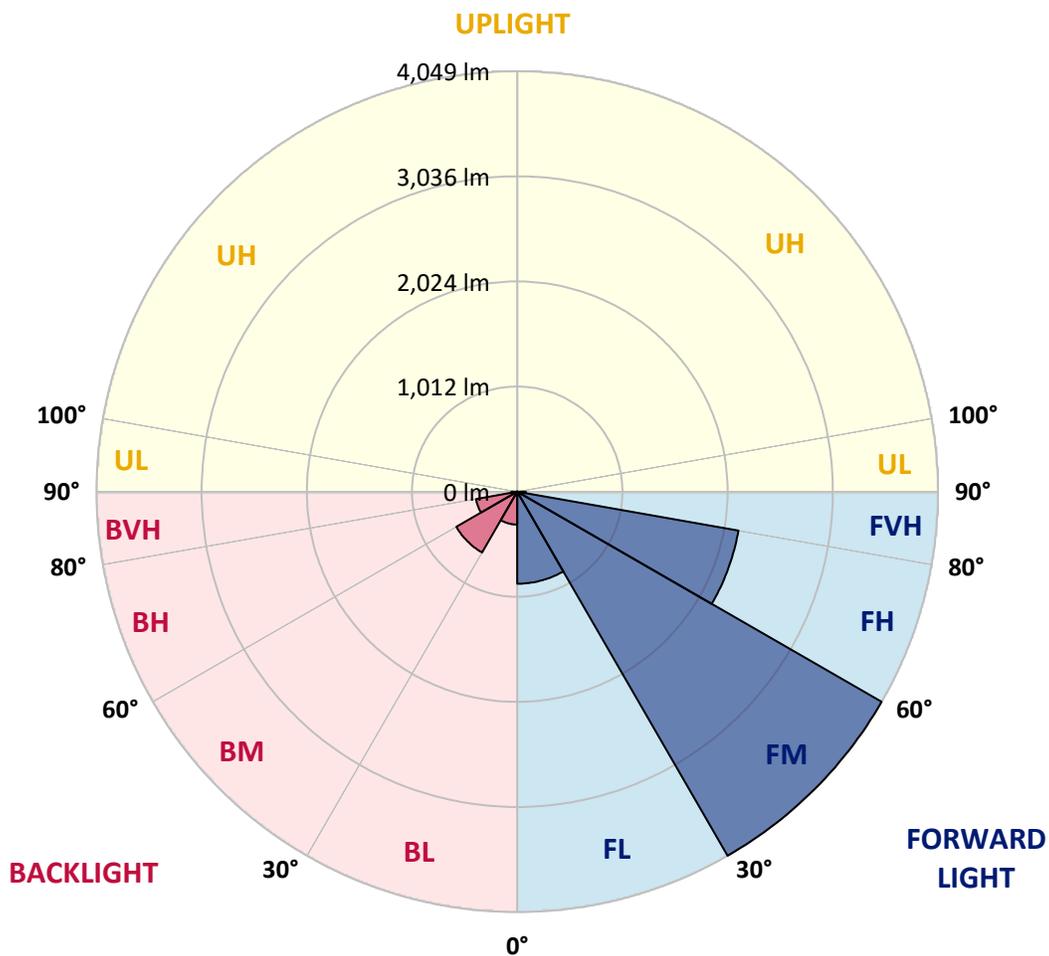
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	886.4	10.3			
FM (30°-60°)	4048.5	46.9			
FH (60°-80°)	2161.7	25.0			G2/5000
FVH (80°-90°)	82.1	1.0			G1/100
BL (0°-30°)	316.8	3.7	B1/500		
BM (30°-60°)	676.3	7.8	B1/1000		
BH (60°-80°)	402.4	4.7	B1/500		G1/500
BVH (80°-90°)	56.9	0.7			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	788.2	788.2	788.2	788.2	788.2	788.2	788.2	788.2	788.2	788.2	788.2
2.5°	1046.3	1030.5	1029.1	1005.9	1000.6	956.4	923.9	889.9	851.2	843.6	813.1
5°	1344.1	1342.6	1322.4	1284.6	1255.0	1179.4	1104.7	1025.5	938.8	924.7	856.2
7.5°	1611.9	1609.5	1594.0	1553.3	1510.5	1417.6	1310.9	1189.6	1049.0	1028.2	914.5
10°	1815.2	1814.3	1809.1	1779.2	1742.8	1653.8	1536.0	1370.4	1177.0	1148.6	987.5
12.5°	1972.3	1974.0	1977.5	1967.0	1949.7	1873.8	1753.1	1562.1	1313.6	1285.4	1068.6
15°	2078.6	2083.9	2102.1	2117.0	2126.1	2079.5	1962.6	1758.1	1466.5	1432.8	1158.6
17.5°	2132.3	2138.1	2169.5	2214.6	2256.2	2251.5	2158.6	1945.0	1613.3	1580.8	1255.3
20°	2178.6	2182.9	2218.1	2272.3	2345.9	2378.4	2326.2	2124.9	1774.2	1735.5	1357.8
22.5°	2312.8	2318.3	2328.9	2359.6	2424.7	2484.5	2459.3	2295.2	1921.6	1885.5	1455.1
25°	2571.8	2578.5	2555.7	2529.6	2541.9	2583.5	2588.2	2450.5	2071.0	2030.3	1559.7
27.5°	2883.8	2893.5	2854.5	2787.4	2728.8	2712.7	2707.1	2577.6	2213.7	2166.5	1663.1
30°	3189.4	3206.1	3155.5	3068.4	2960.9	2885.3	2829.3	2702.2	2354.4	2309.2	1760.7
32.5°	3488.0	3481.3	3407.7	3322.8	3196.8	3102.1	2966.8	2835.8	2512.6	2460.7	1857.7
35°	3692.5	3694.9	3626.6	3525.8	3405.7	3333.0	3150.8	2979.9	2674.0	2626.3	1967.9
37.5°	3866.6	3855.8	3778.4	3684.3	3580.9	3549.9	3366.1	3138.8	2849.0	2796.8	2085.1
40°	3924.6	3912.0	3861.3	3793.6	3710.7	3708.1	3603.8	3318.7	3046.7	2995.2	2217.2
42.5°	3889.5	3873.3	3852.5	3834.1	3808.6	3820.3	3827.0	3529.6	3264.2	3206.4	2370.2
45°	3759.6	3735.3	3750.0	3790.1	3845.5	3911.7	4028.6	3763.2	3507.7	3459.3	2549.8
47.5°	3560.1	3538.1	3583.8	3669.7	3820.3	3987.9	4219.4	4021.0	3798.3	3750.3	2805.6
50°	3279.4	3285.8	3351.2	3507.4	3735.0	4023.1	4454.4	4362.4	4220.9	4176.0	3154.6
52.5°	2818.8	2820.0	3004.0	3260.4	3583.8	4004.9	4584.8	4798.7	4797.8	4743.6	3486.9
55°	2391.0	2417.1	2562.7	2903.5	3338.9	3932.2	4675.9	5010.8	5176.7	5113.1	3796.6
57.5°	1973.1	1988.4	2126.4	2468.6	2989.3	3738.6	4769.4	5265.4	5613.2	5573.1	4181.6
60°	1497.9	1521.3	1664.0	1980.2	2542.2	3394.8	4778.2	5531.2	6135.1	6094.7	4611.4
62.5°	972.2	1012.7	1146.3	1442.5	2001.3	2900.5	4574.2	5705.0	6629.7	6615.4	4992.9
65°	558.8	589.2	682.1	910.7	1380.7	2279.9	4089.3	5638.2	6934.2	6925.9	5135.6
66°	456.5	475.6	546.8	711.7	1139.2	2002.2	3807.4	5497.2	6964.3	6964.6	5119.2
67.5°	365.1	373.6	405.5	509.5	840.7	1587.0	3303.7	5186.3	6926.8	6937.1	5013.5
70°	302.1	306.5	316.5	341.7	458.9	957.0	2345.0	4378.5	6550.3	6558.2	4600.6
72.5°	271.0	273.7	277.5	281.0	323.8	534.7	1432.2	3502.7	5743.1	5753.3	3971.5
75°	245.5	247.0	246.4	246.7	271.6	340.8	740.2	2615.1	4643.7	4623.2	3042.4
77.5°	215.7	217.1	214.2	214.8	240.3	262.0	368.3	1830.7	3133.8	2989.0	1714.1
80°	182.3	183.4	182.3	184.3	209.2	197.8	214.2	1029.9	1385.7	1310.6	609.5
82.5°	137.7	142.7	146.2	154.4	172.3	140.6	143.3	401.1	421.9	401.7	186.9
85°	60.4	73.5	110.2	118.1	129.5	84.4	94.1	163.5	171.7	166.4	68.0
87.5°	15.8	17.3	54.5	68.6	71.8	38.1	48.9	74.4	78.5	74.4	22.6
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°	788.2	788.2	788.2	788.2	788.2	788.2	788.2	788.2	788.2	788.2	788.2
2.5°	797.0	782.6	756.9	734.0	716.7	705.0	693.3	687.4	683.9	680.4	681.0
5°	822.5	793.5	749.2	717.9	700.3	689.2	683.3	681.0	679.5	676.0	676.0
7.5°	860.9	819.9	758.9	726.7	712.9	704.4	700.9	699.7	698.0	693.9	694.4
10°	909.2	851.8	779.1	747.8	735.2	725.8	720.8	719.1	715.8	711.1	711.7
12.5°	966.1	891.3	805.8	773.0	757.7	745.1	736.9	731.9	726.4	720.2	720.5
15°	1028.2	934.4	834.5	795.5	774.7	757.1	744.0	735.5	726.7	719.1	718.8
17.5°	1091.2	976.0	856.5	807.8	779.7	756.6	738.7	725.5	714.7	705.3	704.4
20°	1159.2	1013.5	868.8	806.7	770.3	742.8	719.1	702.6	690.6	681.3	679.8
22.5°	1228.3	1048.7	870.8	794.7	749.5	715.8	690.9	672.8	660.5	650.8	647.3
25°	1291.6	1075.9	862.3	771.5	720.5	684.2	659.9	641.4	631.4	620.0	616.5
27.5°	1349.3	1095.0	845.3	741.9	688.0	652.2	629.4	613.6	602.7	593.9	591.0
30°	1401.2	1105.2	817.5	706.7	654.6	622.1	602.7	591.9	582.5	571.4	569.3
32.5°	1450.4	1105.2	781.8	668.4	621.5	595.4	584.0	577.2	566.7	555.8	552.9
35°	1499.6	1098.5	739.6	628.2	591.0	576.4	575.8	567.9	551.7	537.1	533.3
37.5°	1551.5	1084.7	692.1	590.7	566.1	567.9	572.8	555.3	532.4	511.6	506.0
40°	1610.1	1065.7	642.9	558.2	545.3	564.1	564.9	537.1	492.6	473.5	468.5
42.5°	1679.0	1046.6	597.2	529.5	528.9	552.6	550.0	497.8	471.2	461.5	458.9
45°	1769.5	1035.8	553.8	502.2	516.0	534.2	524.5	476.1	465.0	459.4	457.1
47.5°	1912.2	1041.4	513.9	480.5	503.1	515.7	477.0	467.4	459.4	452.7	450.4
50°	2090.9	1038.1	481.7	465.6	488.5	496.4	455.6	455.9	451.8	444.2	440.7
52.5°	2225.4	1012.9	460.9	457.1	475.6	462.1	442.2	444.8	442.7	431.6	427.8
55°	2355.2	991.3	450.4	453.9	466.2	419.3	426.3	432.8	430.7	419.9	418.1
57.5°	2516.7	987.2	443.9	454.8	458.3	397.9	411.1	419.6	418.1	413.4	412.6
60°	2714.5	988.3	438.1	456.2	449.5	382.1	396.7	407.6	408.5	407.6	407.0
62.5°	2823.2	956.4	423.4	452.1	434.0	368.3	381.8	397.6	397.9	399.7	399.4
65°	2730.9	860.9	396.2	437.8	407.9	356.9	368.9	386.2	381.8	389.7	389.7
66°	2641.2	805.8	382.7	428.4	396.7	352.5	364.8	380.3	374.8	385.6	385.6
67.5°	2458.1	712.9	358.4	408.5	380.9	346.3	360.1	370.7	363.0	379.2	378.0
70°	2123.5	551.5	309.4	363.3	354.8	337.3	353.7	351.3	340.2	364.8	360.1
72.5°	1790.3	419.0	248.5	304.1	315.3	325.8	344.6	326.7	312.6	329.9	319.7
75°	1389.2	315.0	196.3	236.5	266.3	308.0	333.7	298.3	278.1	276.3	270.7
77.5°	751.0	216.2	155.6	180.5	211.6	285.7	326.4	267.8	237.3	230.3	225.9
80°	297.4	140.6	113.1	136.8	148.0	253.5	308.8	232.4	195.7	188.7	182.0
82.5°	122.8	83.2	73.0	91.7	96.4	216.8	277.2	190.5	151.2	209.2	222.1
85°	52.7	45.7	43.4	47.5	54.5	152.1	220.6	145.3	163.2	145.6	115.7
87.5°	15.8	19.3	18.5	18.2	19.9	36.3	117.5	80.9	119.8	45.4	34.0
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)