

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: P1208595

Luminaire Tested: UPW-SA1-070-740-U-T2R

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208595  
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-SA1-070-740-U-T2R  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8632 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

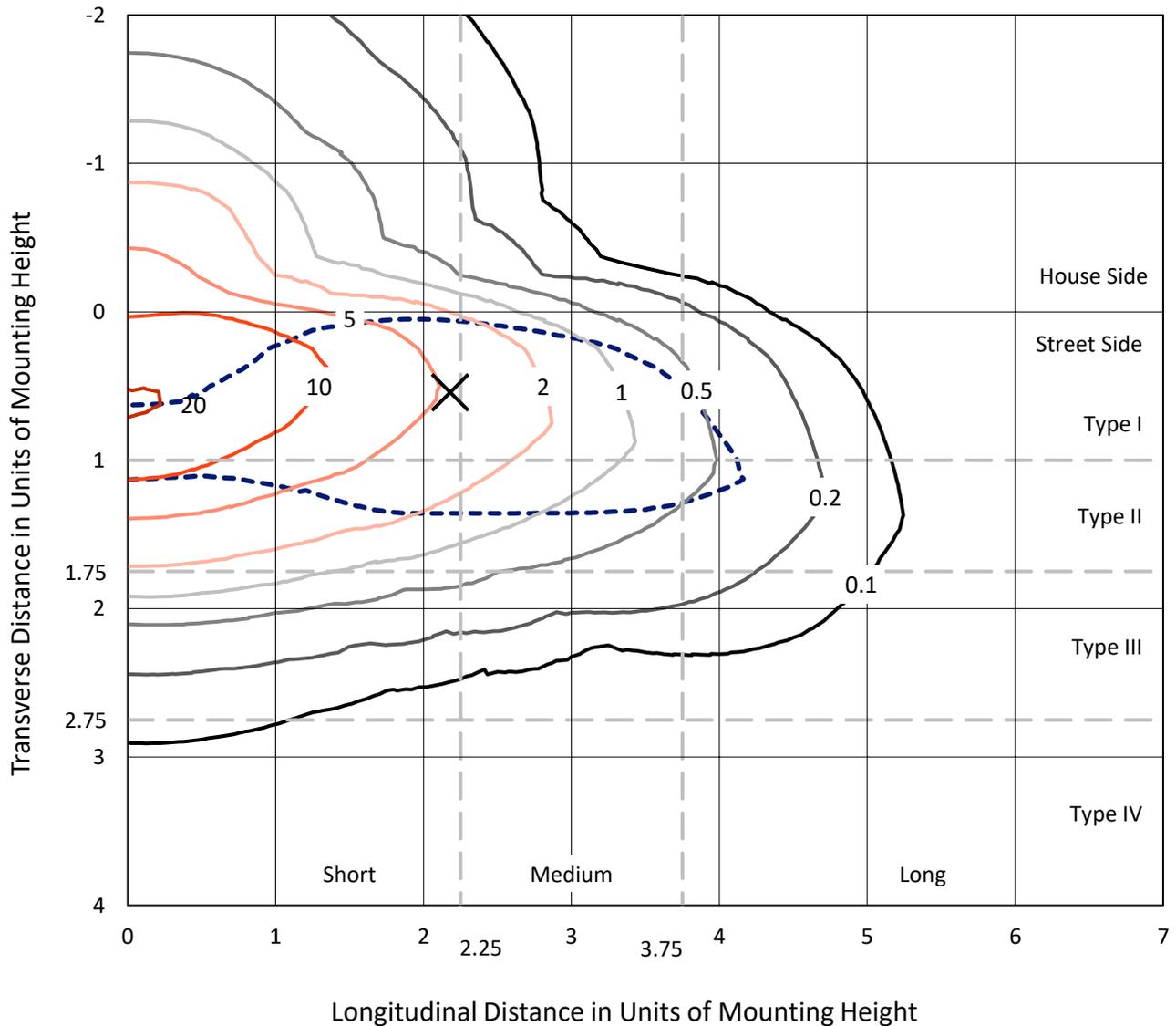


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### Iso-Footcandle Lines of Horizontal Illumination

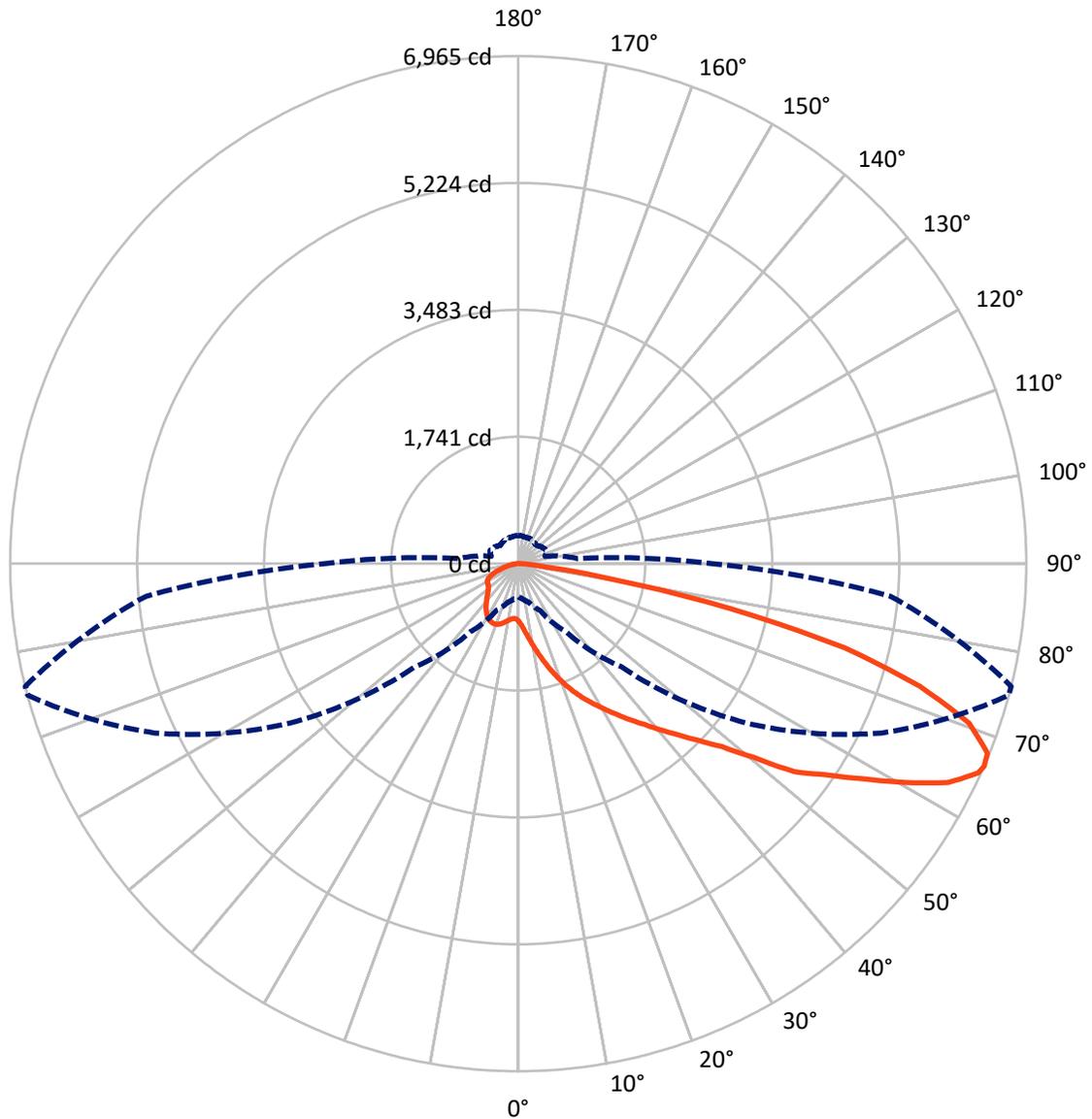
× Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	1452.5	0.0	1452.5
	% Fixture	16.8	0.0	16.8
<b>Street Side</b>	Lumens	7179.5	0.0	7179.5
	% Fixture	83.2	0.0	83.2
<b>Total</b>	Lumens	8632.0	0.0	8632.0
	% 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°	731.5	8.5
30°-40°	1194.0	13.8
40°-50°	1631.3	18.9
50°-60°	1900.1	22.0
60°-70°	1703.5	19.7
70°-80°	860.9	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°	8632.0	100.0
0°-180°	8632.0	100.0



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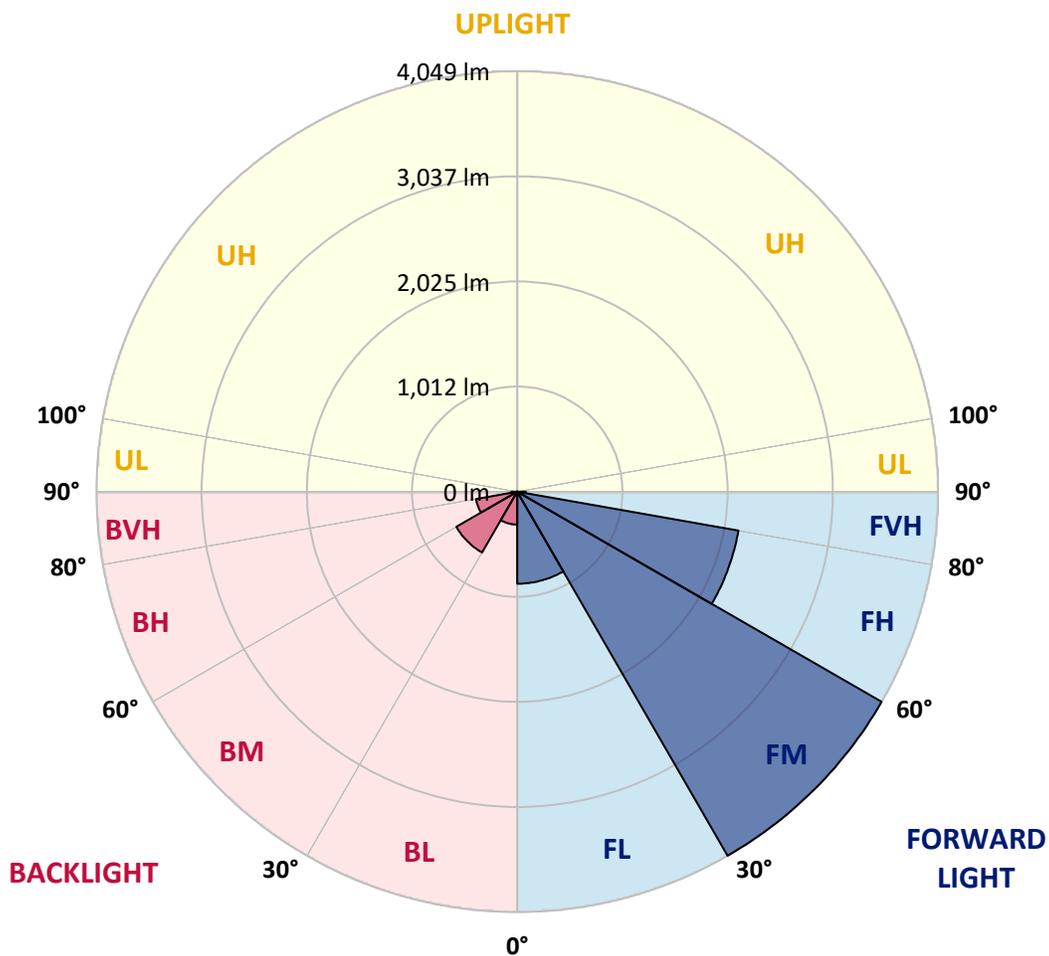
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	886.5	10.3			
FM (30°-60°)	4049.0	46.9			
FH (60°-80°)	2161.9	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°)	676.4	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°	788.3	788.3	788.3	788.3	788.3	788.3	788.3	788.3	788.3	788.3	788.3
2.5°	1046.5	1030.6	1029.2	1006.0	1000.8	956.5	924.0	890.0	851.3	843.7	813.2
5°	1344.2	1342.7	1322.5	1284.7	1255.1	1179.5	1104.8	1025.7	938.9	924.9	856.3
7.5°	1612.1	1609.7	1594.2	1553.4	1510.7	1417.8	1311.1	1189.8	1049.1	1028.3	914.6
10°	1815.4	1814.5	1809.3	1779.4	1743.0	1654.0	1536.2	1370.6	1177.2	1148.7	987.6
12.5°	1972.5	1974.3	1977.8	1967.2	1949.9	1874.0	1753.3	1562.2	1313.7	1285.6	1068.7
15°	2078.9	2084.1	2102.3	2117.3	2126.3	2079.8	1962.8	1758.3	1466.7	1433.0	1158.7
17.5°	2132.5	2138.4	2169.7	2214.8	2256.5	2251.8	2158.9	1945.2	1613.5	1581.0	1255.4
20°	2178.8	2183.2	2218.4	2272.6	2346.1	2378.7	2326.5	2125.2	1774.4	1735.7	1358.0
22.5°	2313.0	2318.6	2329.1	2359.9	2425.0	2484.7	2459.5	2295.4	1921.8	1885.8	1455.3
25°	2572.1	2578.8	2556.0	2529.9	2542.2	2583.8	2588.5	2450.8	2071.3	2030.5	1559.9
27.5°	2884.2	2893.8	2854.9	2787.8	2729.1	2713.0	2707.5	2577.9	2214.0	2166.8	1663.3
30°	3189.8	3206.5	3155.8	3068.8	2961.2	2885.6	2829.7	2702.5	2354.6	2309.5	1760.9
32.5°	3488.4	3481.7	3408.1	3323.2	3197.1	3102.5	2967.1	2836.1	2512.9	2461.0	1857.9
35°	3693.0	3695.3	3627.0	3526.2	3406.1	3333.4	3151.1	2980.3	2674.3	2626.6	1968.1
37.5°	3867.0	3856.2	3778.8	3684.8	3581.3	3550.3	3366.5	3139.1	2849.3	2797.1	2085.3
40°	3925.1	3912.5	3861.8	3794.1	3711.1	3708.5	3604.2	3319.0	3047.1	2995.5	2217.5
42.5°	3889.9	3873.8	3853.0	3834.5	3809.0	3820.7	3827.5	3530.0	3264.5	3206.8	2370.5
45°	3760.1	3735.8	3750.4	3790.6	3845.9	3912.2	4029.1	3763.6	3508.1	3459.7	2550.1
47.5°	3560.5	3538.5	3584.3	3670.1	3820.7	3988.4	4219.9	4021.5	3798.8	3750.7	2805.9
50°	3279.8	3286.2	3351.6	3507.8	3735.5	4023.5	4454.9	4362.9	4221.3	4176.5	3154.9
52.5°	2819.1	2820.3	3004.3	3260.7	3584.3	4005.4	4585.3	4799.2	4798.4	4744.1	3487.3
55°	2391.3	2417.3	2563.0	2903.8	3339.3	3932.7	4676.4	5011.4	5177.3	5113.7	3797.0
57.5°	1973.4	1988.6	2126.6	2468.9	2989.7	3739.0	4769.9	5266.1	5613.9	5573.8	4182.1
60°	1498.1	1521.5	1664.2	1980.4	2542.5	3395.2	4778.7	5531.8	6135.8	6095.4	4612.0
62.5°	972.3	1012.8	1146.4	1442.7	2001.5	2900.9	4574.8	5705.6	6630.5	6616.1	4993.5
65°	558.8	589.3	682.2	910.8	1380.8	2280.2	4089.8	5638.8	6935.0	6926.8	5136.2
66°	456.6	475.6	546.8	711.8	1139.4	2002.4	3807.9	5497.9	6965.1	6965.4	5119.8
67.5°	365.1	373.6	405.6	509.6	840.8	1587.1	3304.1	5186.9	6927.6	6937.9	5014.0
70°	302.1	306.5	316.5	341.7	458.9	957.1	2345.3	4379.0	6551.1	6559.0	4601.1
72.5°	271.1	273.7	277.5	281.0	323.8	534.8	1432.4	3503.1	5743.7	5754.0	3972.0
75°	245.6	247.0	246.5	246.7	271.7	340.8	740.2	2615.4	4644.2	4623.7	3042.7
77.5°	215.7	217.1	214.2	214.8	240.3	262.0	368.4	1831.0	3134.1	2989.4	1714.3
80°	182.3	183.4	182.3	184.3	209.2	197.8	214.2	1030.1	1385.8	1310.8	609.5
82.5°	137.7	142.7	146.2	154.4	172.3	140.7	143.3	401.2	422.0	401.8	187.0
85°	60.4	73.6	110.2	118.1	129.5	84.4	94.1	163.5	171.7	166.5	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°	788.3	788.3	788.3	788.3	788.3	788.3	788.3	788.3	788.3	788.3	788.3
2.5°	797.1	782.7	756.9	734.1	716.8	705.1	693.3	687.5	684.0	680.5	681.0
5°	822.6	793.6	749.3	718.0	700.4	689.2	683.4	681.0	679.6	676.1	676.1
7.5°	861.0	819.9	759.0	726.8	713.0	704.5	701.0	699.8	698.0	693.9	694.5
10°	909.3	851.9	779.2	747.9	735.3	725.9	720.9	719.1	715.9	711.2	711.8
12.5°	966.2	891.4	805.9	773.1	757.8	745.2	737.0	732.0	726.5	720.3	720.6
15°	1028.3	934.5	834.6	795.6	774.8	757.2	744.0	735.5	726.8	719.1	718.8
17.5°	1091.3	976.1	856.6	807.9	779.8	756.6	738.8	725.6	714.7	705.4	704.5
20°	1159.3	1013.6	868.9	806.8	770.4	742.9	719.1	702.7	690.7	681.3	679.9
22.5°	1228.5	1048.8	870.9	794.7	749.6	715.9	691.0	672.8	660.5	650.9	647.3
25°	1291.8	1076.1	862.4	771.6	720.6	684.3	659.9	641.5	631.5	620.1	616.6
27.5°	1349.5	1095.1	845.4	742.0	688.1	652.3	629.5	613.6	602.8	594.0	591.1
30°	1401.4	1105.4	817.6	706.8	654.7	622.1	602.8	592.0	582.6	571.4	569.4
32.5°	1450.6	1105.4	781.8	668.4	621.6	595.5	584.0	577.3	566.8	555.9	553.0
35°	1499.8	1098.6	739.7	628.3	591.1	576.4	575.8	567.9	551.8	537.2	533.3
37.5°	1551.7	1084.9	692.2	590.8	566.2	567.9	572.9	555.3	532.5	511.7	506.1
40°	1610.3	1065.8	642.9	558.3	545.4	564.1	565.0	537.2	492.6	473.6	468.6
42.5°	1679.2	1046.8	597.2	529.5	528.9	552.7	550.0	497.9	471.2	461.5	458.9
45°	1769.7	1035.9	553.9	502.3	516.1	534.2	524.6	476.2	465.1	459.5	457.2
47.5°	1912.4	1041.5	514.0	480.6	503.2	515.8	477.1	467.4	459.5	452.8	450.4
50°	2091.2	1038.3	481.8	465.7	488.5	496.4	455.7	456.0	451.9	444.3	440.7
52.5°	2225.7	1013.1	461.0	457.2	475.6	462.1	442.2	444.8	442.8	431.7	427.8
55°	2355.5	991.4	450.4	453.9	466.2	419.4	426.4	432.8	430.8	419.9	418.2
57.5°	2517.0	987.3	444.0	454.8	458.3	398.0	411.1	419.6	418.2	413.5	412.6
60°	2714.8	988.4	438.1	456.3	449.5	382.1	396.8	407.6	408.5	407.6	407.0
62.5°	2823.5	956.5	423.5	452.2	434.0	368.4	381.8	397.7	398.0	399.7	399.4
65°	2731.2	861.0	396.2	437.8	407.9	356.9	368.9	386.2	381.8	389.8	389.8
66°	2641.5	805.9	382.7	428.4	396.8	352.5	364.8	380.4	374.8	385.6	385.6
67.5°	2458.4	713.0	358.4	408.5	381.0	346.4	360.2	370.7	363.1	379.2	378.0
70°	2123.7	551.5	309.5	363.4	354.9	337.3	353.7	351.4	340.2	364.8	360.2
72.5°	1790.5	419.1	248.5	304.2	315.3	325.9	344.6	326.7	312.7	330.0	319.7
75°	1389.3	315.0	196.3	236.5	266.4	308.0	333.8	298.3	278.1	276.3	270.8
77.5°	751.1	216.3	155.6	180.5	211.6	285.7	326.5	267.8	237.4	230.3	225.9
80°	297.4	140.7	113.1	136.9	148.0	253.5	308.9	232.4	195.8	188.7	182.0
82.5°	122.8	83.2	73.0	91.7	96.4	216.9	277.2	190.5	151.2	209.2	222.1
85°	52.7	45.7	43.4	47.5	54.5	152.1	220.7	145.4	163.2	145.6	115.8
87.5°	15.8	19.3	18.5	18.2	19.9	36.3	117.5	80.9	119.9	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)