

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: P1208865

Luminaire Tested: UPW-SA2-070-750-U-T2R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208865
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-SA2-070-750-U-T2R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10132 lumens
Efficiency: N/A
Efficacy: 153.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 66
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

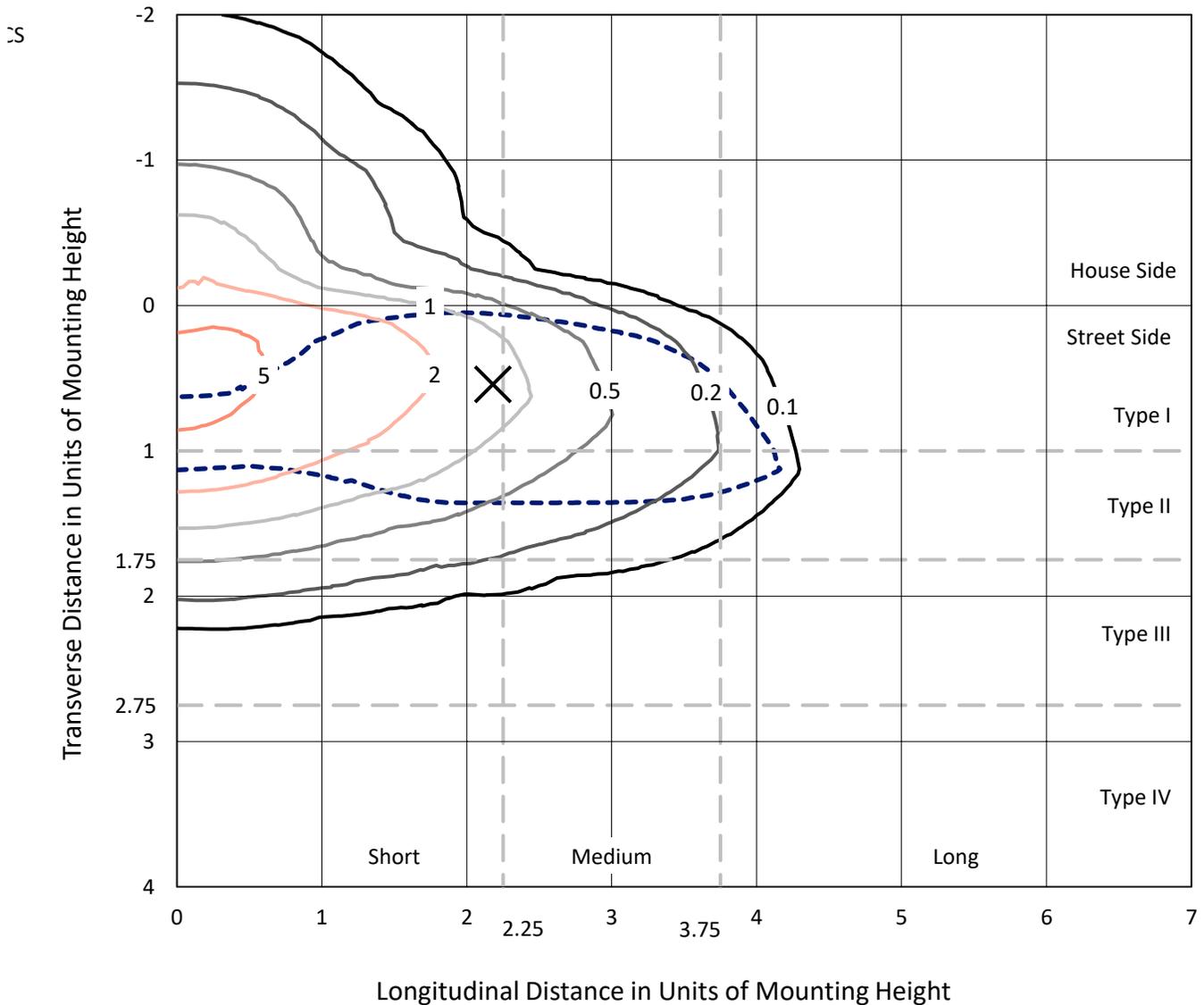


REPORT NUMBER: P1208865

CATALOG NUMBER: UPW-SA2-070-750-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

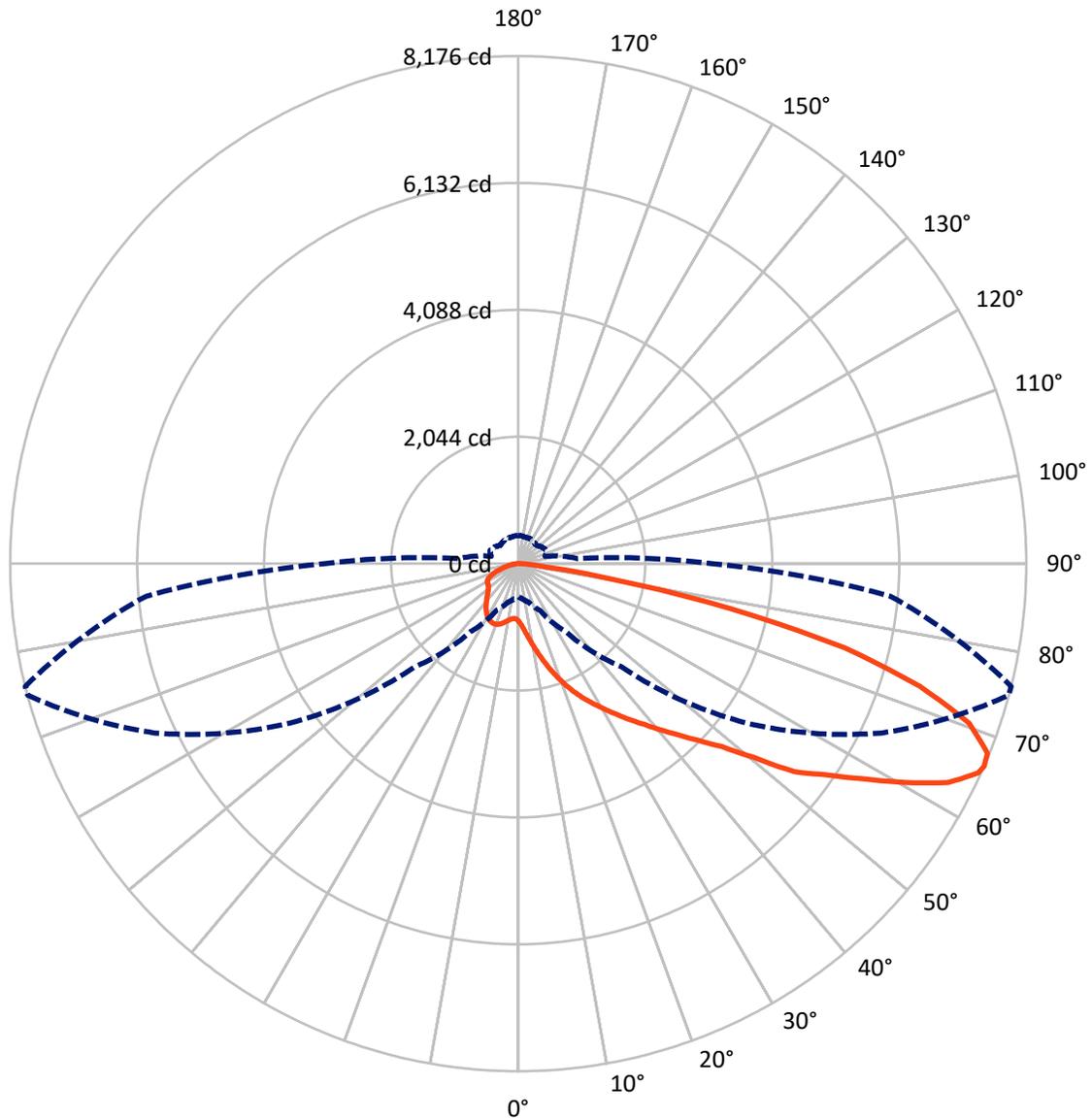
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Short - N/A

REPORT NUMBER: P1208865
CATALOG NUMBER: UPW-SA2-070-750-U-T2R

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1208865

CATALOG NUMBER: UPW-SA2-070-750-U-T2R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1704.9	0.0	1704.9
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	8427.1	0.0	8427.1
	% Fixture	83.2	0.0	83.2
Total	Lumens	10132.0	0.0	10132.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.9	1.1
10°-20°	441.9	4.4
20°-30°	858.6	8.5
30°-40°	1401.5	13.8
40°-50°	1914.7	18.9
50°-60°	2230.3	22.0
60°-70°	1999.5	19.7
70°-80°	1010.5	10.0
80°-90°	163.2	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°	10132.0	100.0
0°-180°	10132.0	100.0



REPORT NUMBER: P1208865

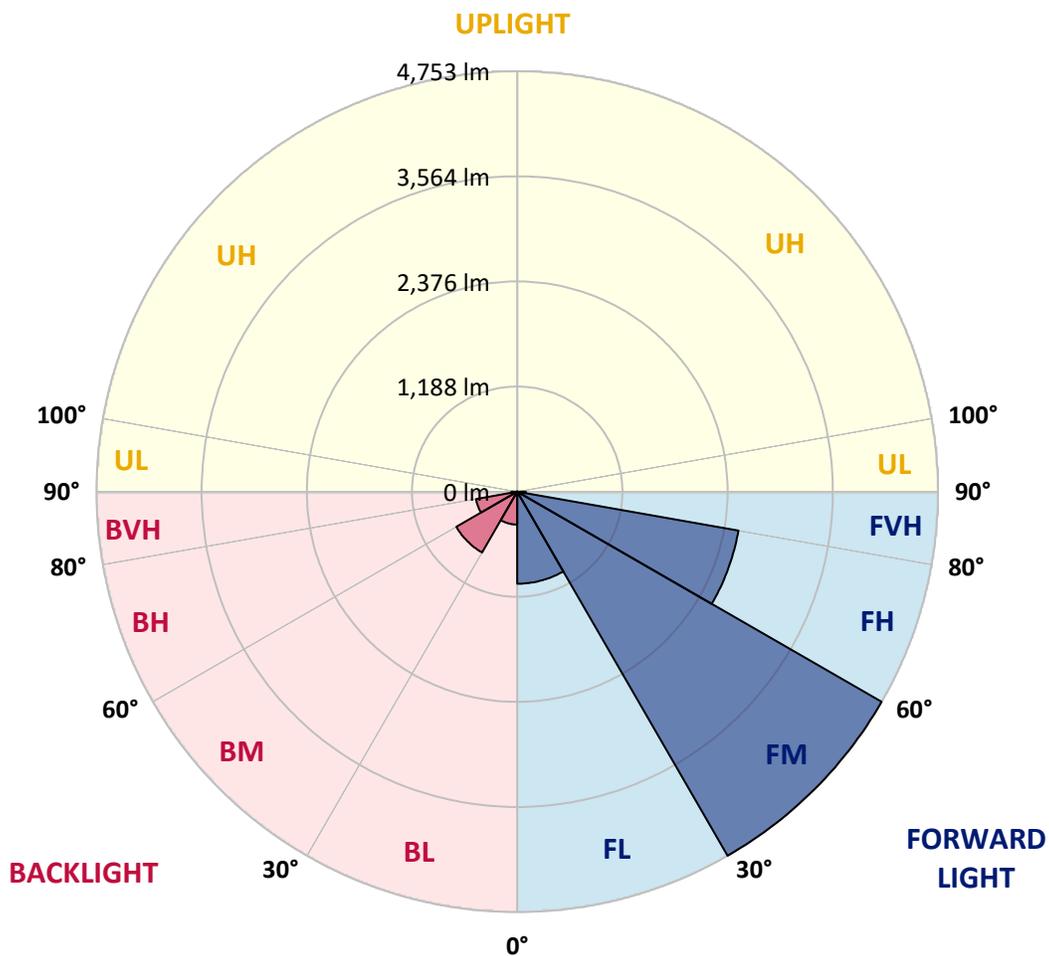
CATALOG NUMBER: UPW-SA2-070-750-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1040.5	10.3			
FM (30°-60°)	4752.6	46.9			
FH (60°-80°)	2537.6	25.0			G2/5000
FVH (80°-90°)	96.4	1.0			G1/100
BL (0°-30°)	371.8	3.7	B1/500		
BM (30°-60°)	793.9	7.8	B1/1000		
BH (60°-80°)	472.3	4.7	B1/500		G1/500
BVH (80°-90°)	66.8	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





REPORT NUMBER: P1208865

CATALOG NUMBER: UPW-SA2-070-750-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	925.3	925.3	925.3	925.3	925.3	925.3	925.3	925.3	925.3	925.3	925.3
2.5°	1228.3	1209.7	1208.0	1180.9	1174.7	1122.7	1084.5	1044.6	999.2	990.3	954.5
5°	1577.8	1576.1	1552.3	1508.0	1473.2	1384.5	1296.8	1203.9	1102.1	1085.6	1005.1
7.5°	1892.2	1889.4	1871.2	1823.4	1773.2	1664.1	1538.9	1396.5	1231.4	1207.0	1073.5
10°	2130.9	2129.9	2123.7	2088.6	2045.9	1941.4	1803.1	1608.7	1381.7	1348.4	1159.2
12.5°	2315.3	2317.3	2321.5	2309.1	2288.8	2199.7	2058.0	1833.7	1542.0	1509.0	1254.5
15°	2440.1	2446.3	2467.6	2485.2	2495.8	2441.2	2303.9	2063.8	1721.6	1682.0	1360.1
17.5°	2503.1	2510.0	2546.8	2599.7	2648.6	2643.1	2534.0	2283.3	1893.9	1855.7	1473.6
20°	2557.4	2562.6	2603.9	2667.5	2753.8	2792.0	2730.8	2494.5	2082.7	2037.3	1594.0
22.5°	2715.0	2721.5	2733.9	2770.0	2846.4	2916.5	2886.9	2694.3	2255.8	2213.4	1708.2
25°	3019.0	3026.9	3000.1	2969.5	2983.9	3032.8	3038.3	2876.6	2431.2	2383.4	1831.0
27.5°	3385.4	3396.7	3351.0	3272.2	3203.4	3184.5	3177.9	3025.9	2598.7	2543.3	1952.4
30°	3744.1	3763.7	3704.2	3602.1	3475.8	3387.1	3321.4	3172.1	2763.8	2710.8	2066.9
32.5°	4094.6	4086.7	4000.4	3900.6	3752.7	3641.6	3482.7	3328.9	2949.5	2888.7	2180.8
35°	4334.7	4337.5	4257.3	4139.0	3998.0	3912.7	3698.7	3498.2	3139.1	3083.0	2310.1
37.5°	4539.0	4526.3	4435.5	4325.1	4203.7	4167.2	3951.5	3684.6	3344.4	3283.2	2447.7
40°	4607.1	4592.3	4532.8	4453.4	4356.0	4352.9	4230.5	3895.8	3576.6	3516.1	2602.8
42.5°	4565.9	4546.9	4522.5	4500.9	4470.9	4484.7	4492.6	4143.5	3831.8	3764.1	2782.4
45°	4413.5	4384.9	4402.1	4449.3	4514.3	4592.0	4729.2	4417.6	4117.7	4060.9	2993.2
47.5°	4179.2	4153.4	4207.1	4307.9	4484.7	4681.4	4953.2	4720.3	4458.9	4402.5	3293.5
50°	3849.7	3857.3	3934.0	4117.3	4384.6	4722.7	5229.0	5121.0	4954.9	4902.3	3703.2
52.5°	3309.0	3310.4	3526.4	3827.4	4207.1	4701.4	5382.1	5633.2	5632.2	5568.5	4093.2
55°	2806.8	2837.4	3008.4	3408.4	3919.5	4616.1	5489.1	5882.2	6076.9	6002.3	4456.8
57.5°	2316.3	2334.2	2496.2	2897.9	3509.2	4388.7	5598.8	6181.1	6589.4	6542.3	4908.8
60°	1758.4	1785.9	1953.4	2324.6	2984.3	3985.2	5609.1	6493.1	7202.1	7154.6	5413.4
62.5°	1141.3	1188.8	1345.6	1693.4	2349.3	3405.0	5369.7	6697.1	7782.7	7765.8	5861.3
65°	656.0	691.7	800.8	1069.1	1620.8	2676.4	4800.4	6618.7	8140.1	8130.4	6028.8
66°	535.9	558.3	641.8	835.5	1337.4	2350.3	4469.6	6453.2	8175.5	8175.8	6009.5
67.5°	428.6	438.6	476.1	598.2	986.9	1862.9	3878.3	6088.3	8131.5	8143.5	5885.3
70°	354.6	359.8	371.5	401.1	538.7	1123.4	2752.8	5139.9	7689.5	7698.7	5400.7
72.5°	318.2	321.3	325.7	329.9	380.1	627.7	1681.3	4111.8	6741.8	6753.9	4662.2
75°	288.2	290.0	289.3	289.6	318.9	400.0	868.9	3069.9	5451.2	5427.2	3571.4
77.5°	253.2	254.9	251.4	252.1	282.1	307.5	432.4	2149.1	3678.8	3508.8	2012.2
80°	213.9	215.3	213.9	216.4	245.6	232.2	251.4	1209.1	1626.6	1538.6	715.5
82.5°	161.7	167.5	171.6	181.3	202.3	165.1	168.2	470.9	495.3	471.6	219.5
85°	70.9	86.3	129.3	138.6	152.0	99.1	110.4	191.9	201.6	195.4	79.8
87.5°	18.6	20.3	64.0	80.5	84.3	44.7	57.4	87.4	92.2	87.4	26.5
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: P1208865

CATALOG NUMBER: UPW-SA2-070-750-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	925.3	925.3	925.3	925.3	925.3	925.3	925.3	925.3	925.3	925.3	925.3
2.5°	935.6	918.7	888.5	861.6	841.4	827.6	813.8	807.0	802.8	798.7	799.4
5°	965.5	931.5	879.5	842.7	822.1	809.0	802.1	799.4	797.7	793.5	793.5
7.5°	1010.6	962.4	890.9	853.0	836.9	826.9	822.8	821.4	819.3	814.5	815.2
10°	1067.3	999.9	914.6	877.8	863.0	852.0	846.2	844.1	840.3	834.8	835.5
12.5°	1134.1	1046.4	945.9	907.4	889.5	874.7	865.1	859.2	852.7	845.5	845.8
15°	1207.0	1096.9	979.6	933.9	909.5	888.8	873.3	863.4	853.0	844.1	843.8
17.5°	1280.9	1145.8	1005.4	948.3	915.3	888.1	867.1	851.7	838.9	827.9	826.9
20°	1360.7	1189.8	1019.9	947.0	904.3	872.0	844.1	824.8	810.7	799.7	798.0
22.5°	1441.9	1231.1	1022.3	932.8	879.9	840.3	811.1	789.8	775.3	764.0	759.8
25°	1516.2	1263.1	1012.3	905.7	845.8	803.2	774.6	753.0	741.3	727.8	723.7
27.5°	1584.0	1285.4	992.4	870.9	807.6	765.7	738.8	720.3	707.5	697.2	693.8
30°	1644.9	1297.5	959.7	829.7	768.4	730.2	707.5	694.8	683.8	670.7	668.3
32.5°	1702.7	1297.5	917.7	784.6	729.6	698.9	685.5	677.6	665.2	652.5	649.1
35°	1760.4	1289.5	868.2	737.5	693.8	676.6	675.9	666.6	647.7	630.5	626.0
37.5°	1821.3	1273.4	812.5	693.4	664.6	666.6	672.5	651.8	625.0	600.6	594.0
40°	1890.1	1251.0	754.7	655.3	640.1	662.1	663.2	630.5	578.2	555.9	550.0
42.5°	1970.9	1228.7	701.0	621.6	620.9	648.7	645.6	584.4	553.1	541.8	538.7
45°	2077.2	1215.9	650.1	589.6	605.7	627.1	615.7	559.0	545.9	539.3	536.6
47.5°	2244.8	1222.5	603.3	564.1	590.6	605.4	560.0	548.6	539.3	531.4	528.7
50°	2454.6	1218.7	565.5	546.6	573.4	582.7	534.9	535.2	530.4	521.5	517.3
52.5°	2612.5	1189.1	541.1	536.6	558.3	542.4	519.1	522.1	519.7	506.7	502.2
55°	2764.8	1163.7	528.7	532.8	547.3	492.2	500.5	508.0	505.6	492.9	490.8
57.5°	2954.4	1158.8	521.1	533.8	538.0	467.1	482.6	492.6	490.8	485.3	484.3
60°	3186.5	1160.2	514.2	535.6	527.7	448.5	465.7	478.5	479.5	478.5	477.8
62.5°	3314.2	1122.7	497.0	530.7	509.4	432.4	448.2	466.8	467.1	469.2	468.8
65°	3205.8	1010.6	465.0	513.9	478.8	419.0	433.1	453.4	448.2	457.5	457.5
66°	3100.5	945.9	449.2	502.9	465.7	413.8	428.2	446.5	439.9	452.7	452.7
67.5°	2885.6	836.9	420.7	479.5	447.2	406.6	422.7	435.1	426.2	445.1	443.7
70°	2492.8	647.4	363.2	426.5	416.5	395.9	415.2	412.4	399.3	428.2	422.7
72.5°	2101.7	491.9	291.7	357.0	370.1	382.5	404.5	383.5	367.0	387.3	375.3
75°	1630.8	369.8	230.5	277.6	312.7	361.5	391.8	350.2	326.4	324.4	317.8
77.5°	881.6	253.9	182.6	211.9	248.3	335.4	383.2	314.4	278.6	270.4	265.2
80°	349.1	165.1	132.8	160.6	173.7	297.5	362.5	272.8	229.8	221.5	213.6
82.5°	144.1	97.7	85.6	107.7	113.2	254.5	325.4	223.6	177.5	245.6	260.7
85°	61.9	53.7	50.9	55.7	64.0	178.5	259.0	170.6	191.6	171.0	135.9
87.5°	18.6	22.7	21.7	21.3	23.4	42.7	137.9	94.9	140.7	53.3	39.9
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)