

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: P1209581

Luminaire Tested: UPW-SA2-130-750-U-SL2

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209581
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-130-750-U-SL2
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15531 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 129
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

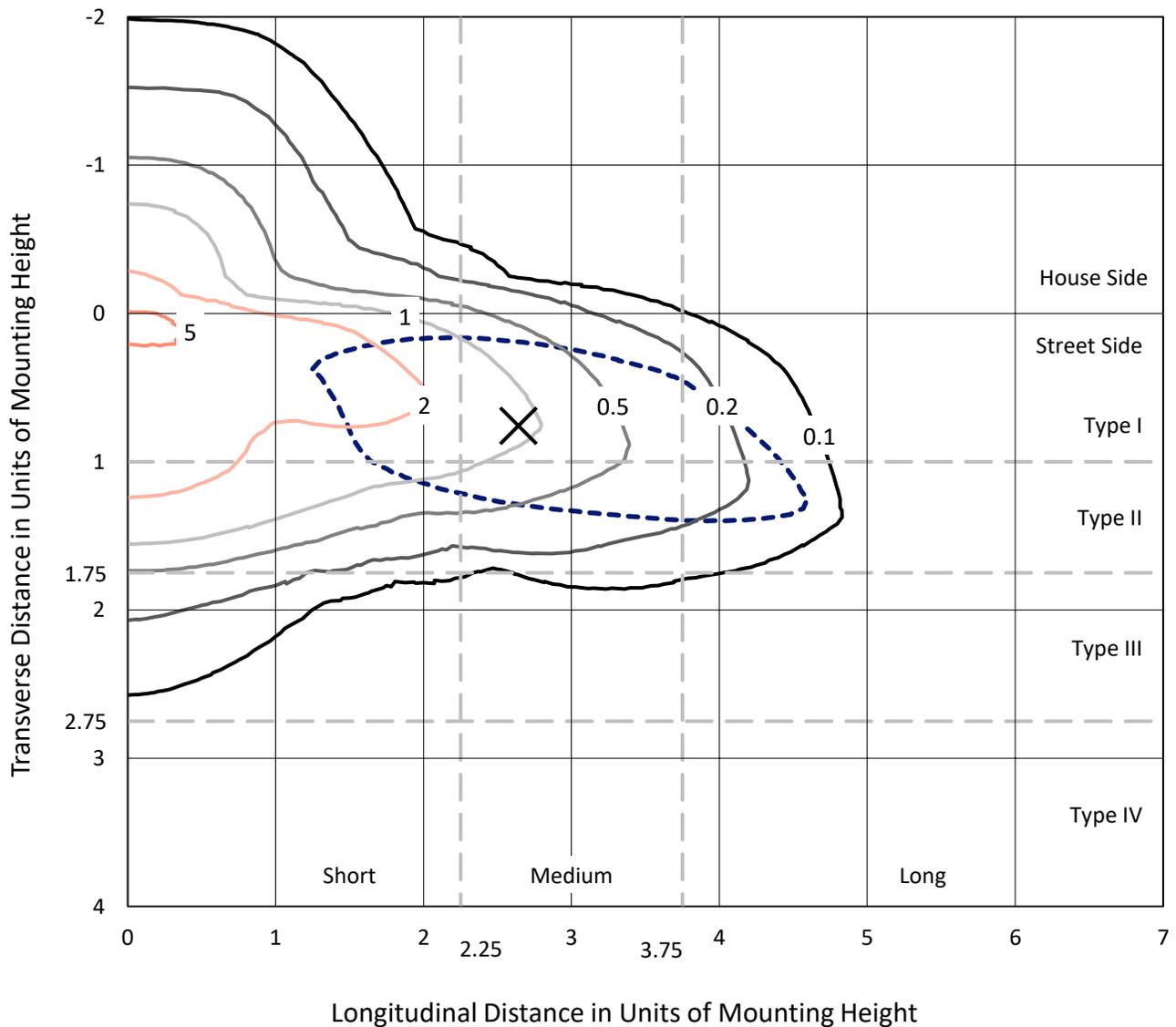


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Iso-Footcandle Lines of Horizontal Illumination

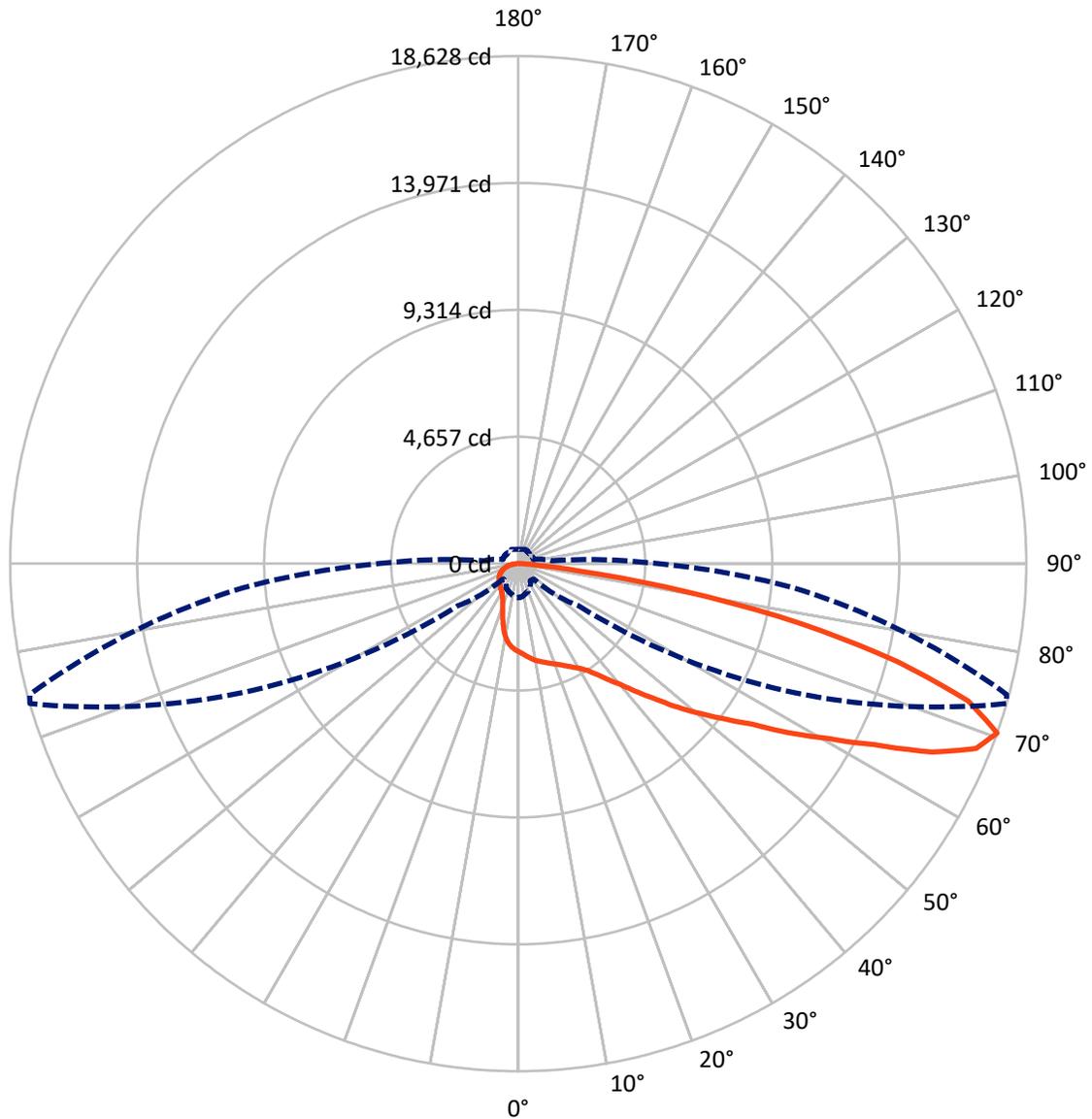
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2842.7	0.0	2842.7
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	12688.3	0.0	12688.3
	% Fixture	81.7	0.0	81.7
Total	Lumens	15531.0	0.0	15531.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.1	1.8
10°-20°	747.2	4.8
20°-30°	1183.2	7.6
30°-40°	1763.0	11.4
40°-50°	2431.1	15.7
50°-60°	3260.5	21.0
60°-70°	3383.7	21.8
70°-80°	2141.2	13.8
80°-90°	337.0	2.2
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°	15531.0	100.0
0°-180°	15531.0	100.0



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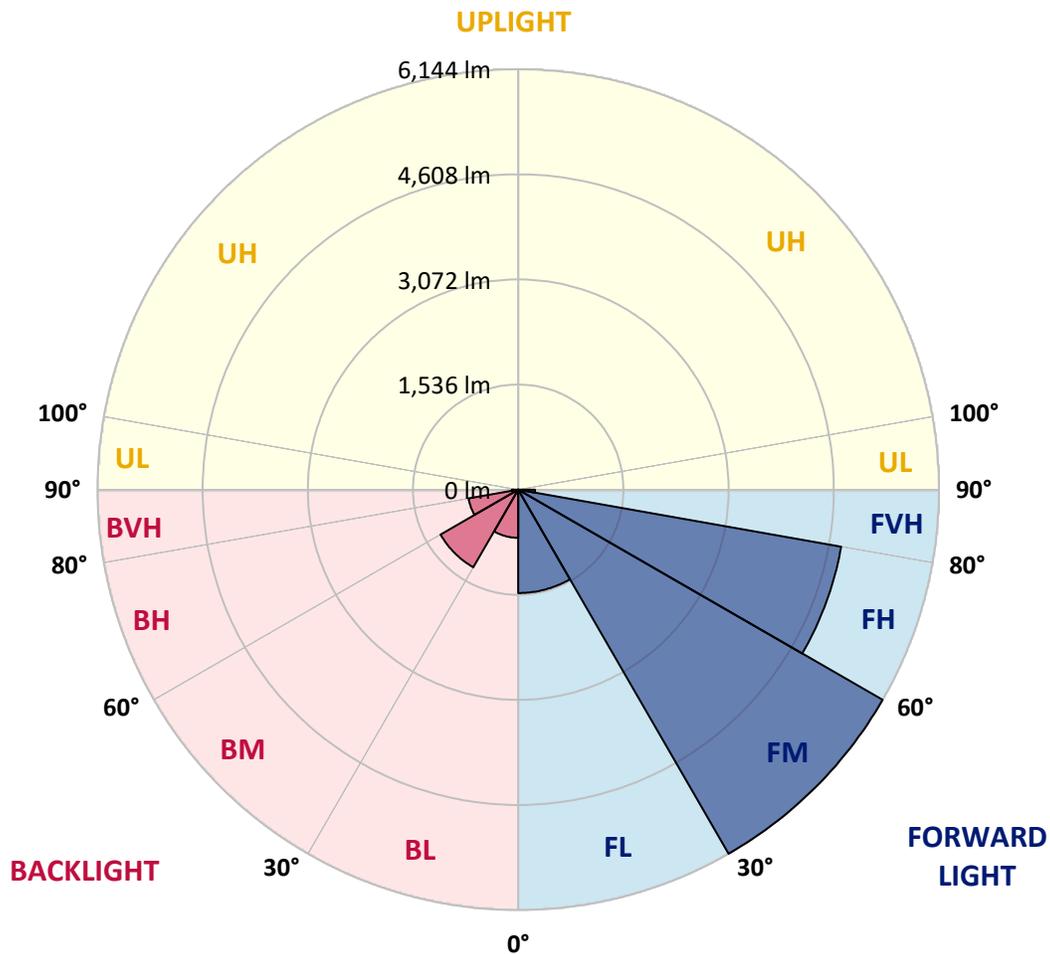
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1510.9	9.7			
FM (30°-60°)	6143.8	39.6			
FH (60°-80°)	4788.6	30.8			G2/5000
FVH (80°-90°)	244.9	1.6			G3/500
BL (0°-30°)	703.6	4.5	B2/1000		
BM (30°-60°)	1310.8	8.4	B2/2500		
BH (60°-80°)	736.3	4.7	B2/1000		G2/1000
BVH (80°-90°)	92.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	3234.1	3234.1	3234.1	3234.1	3234.1	3234.1	3234.1	3234.1	3234.1	3234.1	3234.1
2.5°	3458.3	3453.1	3440.9	3440.9	3435.7	3423.5	3388.8	3352.3	3317.5	3314.1	3268.9
5°	3600.8	3592.1	3590.4	3590.4	3583.4	3571.3	3524.3	3473.9	3423.5	3413.1	3331.4
7.5°	3668.6	3661.6	3663.4	3672.1	3686.0	3675.5	3633.8	3590.4	3522.6	3513.9	3392.3
10°	3632.1	3637.3	3658.1	3706.8	3741.6	3760.7	3725.9	3686.0	3616.4	3606.0	3440.9
12.5°	3400.9	3416.6	3482.6	3607.8	3739.8	3812.8	3811.1	3769.4	3686.0	3677.3	3479.2
15°	3051.6	3032.5	3154.2	3354.0	3593.8	3800.7	3868.4	3849.3	3765.9	3753.7	3524.3
17.5°	2879.6	2881.3	2935.2	3058.6	3322.7	3701.6	3899.7	3929.3	3851.0	3835.4	3574.7
20°	2949.1	2947.4	2952.6	2994.3	3121.2	3500.0	3901.4	4016.1	3934.5	3924.0	3619.9
22.5°	3147.2	3140.3	3124.6	3089.9	3093.4	3321.0	3877.1	4111.7	4040.5	4019.6	3651.2
25°	3423.5	3406.2	3355.8	3277.6	3194.1	3267.1	3814.6	4222.9	4162.1	4139.5	3684.2
27.5°	3738.1	3734.6	3680.7	3531.3	3373.1	3334.9	3743.3	4344.6	4306.4	4275.1	3720.7
30°	4063.1	4043.9	3993.6	3833.7	3633.8	3482.6	3722.4	4478.4	4459.3	4419.3	3750.3
32.5°	4240.3	4231.6	4198.6	4101.3	3927.5	3696.4	3783.3	4615.7	4678.3	4648.7	3814.6
35°	4381.1	4365.4	4330.7	4290.7	4202.1	3977.9	3924.0	4780.8	5005.0	4952.8	3951.8
37.5°	4514.9	4497.5	4473.2	4435.0	4377.6	4247.3	4129.1	5006.7	5418.6	5382.1	4160.4
40°	4664.4	4645.2	4614.0	4587.9	4508.0	4468.0	4322.0	5222.2	5861.7	5844.3	4410.6
42.5°	4777.3	4756.5	4740.8	4723.4	4636.6	4561.8	4473.2	5427.3	6459.5	6416.1	4742.6
45°	4860.7	4848.6	4848.6	4827.7	4770.4	4565.3	4579.2	5701.8	7102.5	7088.6	5201.3
47.5°	4951.1	4935.5	4944.1	4925.0	4907.7	4568.8	4709.5	6068.5	7875.9	7863.7	5714.0
50°	5058.8	5043.2	5078.0	5050.2	5057.1	4673.0	4895.5	6527.3	8640.5	8611.0	6259.7
52.5°	5072.7	5069.3	5156.2	5218.7	5269.1	4911.1	5210.0	7074.7	9476.4	9476.4	6895.7
55°	4791.2	4784.3	4952.8	5218.7	5502.0	5368.2	5794.0	7931.5	10401.0	10425.3	7462.3
57.5°	3891.0	3924.0	4209.0	4732.1	5489.8	6019.9	6657.7	8974.2	11704.3	11624.4	8018.4
60°	2474.7	2523.3	2751.0	3470.5	4669.6	6129.4	7587.4	10298.4	13026.8	12873.9	8753.5
62.5°	1635.3	1593.6	1597.1	1936.0	3004.7	5151.0	7769.9	11867.7	14622.2	14510.9	9406.9
65°	1454.6	1425.0	1277.3	1188.7	1459.8	3216.7	6607.3	12999.0	16672.8	16361.7	9907.4
67.5°	1379.8	1350.3	1213.0	1075.7	919.3	1644.0	4695.6	12790.5	18104.8	17908.4	10277.6
70°	1249.5	1232.1	1120.9	1014.9	768.1	794.2	2709.3	11228.2	18627.9	18534.0	10109.0
72.5°	1086.1	1065.3	990.6	917.6	674.3	585.7	1299.9	8901.2	17253.3	17246.3	9394.8
75°	889.8	872.4	811.6	787.2	570.0	479.6	738.6	6251.0	14373.7	14297.2	8350.3
77.5°	728.2	703.8	662.1	643.0	472.7	385.8	519.6	4363.7	10607.8	10407.9	5844.3
80°	528.3	512.7	472.7	517.9	373.6	298.9	385.8	2714.5	6233.6	5827.0	2189.7
82.5°	321.5	290.2	326.7	396.2	276.3	213.8	283.3	1513.7	2234.9	1963.8	653.4
85°	149.5	152.9	191.2	253.7	165.1	125.1	177.3	662.1	648.2	620.4	274.6
87.5°	24.3	26.1	73.0	111.2	69.5	41.7	71.3	146.0	245.0	252.0	118.2
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°	3234.1	3234.1	3234.1	3234.1	3234.1	3234.1	3234.1	3234.1	3234.1	3234.1	3234.1
2.5°	3241.1	3213.3	3162.9	3107.3	3044.7	2987.3	2963.0	2883.1	2864.0	2858.7	2818.8
5°	3274.1	3213.3	3081.2	2924.8	2742.3	2577.2	2394.7	2248.8	2167.1	2160.1	2170.6
7.5°	3307.1	3211.5	2970.0	2653.7	2330.4	2010.7	1816.0	1701.3	1621.4	1602.3	1607.5
10°	3324.5	3187.2	2799.7	2313.1	1866.4	1633.6	1522.3	1482.4	1470.2	1459.8	1459.8
12.5°	3328.0	3133.3	2573.7	1946.4	1593.6	1480.6	1449.4	1438.9	1437.2	1435.5	1432.0
15°	3331.4	3065.5	2285.3	1663.1	1470.2	1433.7	1421.6	1419.8	1423.3	1421.6	1421.6
17.5°	3328.0	2973.4	2005.5	1499.8	1425.0	1411.1	1404.2	1402.4	1407.6	1405.9	1404.2
20°	3315.8	2855.3	1732.6	1416.3	1393.7	1390.3	1381.6	1374.6	1381.6	1383.3	1381.6
22.5°	3268.9	2681.5	1536.2	1364.2	1364.2	1364.2	1353.8	1345.1	1357.3	1360.7	1362.5
25°	3195.9	2472.9	1390.3	1320.8	1329.4	1326.0	1326.0	1324.2	1336.4	1339.9	1341.6
27.5°	3119.4	2255.7	1287.7	1273.8	1287.7	1296.4	1312.1	1313.8	1313.8	1310.3	1308.6
30°	3022.1	2019.4	1221.7	1232.1	1251.2	1282.5	1310.3	1306.9	1294.7	1282.5	1284.3
32.5°	2943.9	1828.2	1157.4	1195.6	1230.4	1275.6	1299.9	1305.1	1303.4	1282.5	1282.5
35°	2914.4	1675.3	1114.0	1164.4	1216.5	1258.2	1268.6	1291.2	1287.7	1261.7	1259.9
37.5°	2933.5	1551.9	1075.7	1131.3	1195.6	1216.5	1239.1	1244.3	1200.8	1173.0	1166.1
40°	2975.2	1461.5	1041.0	1089.6	1160.9	1178.3	1209.5	1162.6	1126.1	1103.5	1107.0
42.5°	3091.6	1423.3	1009.7	1042.7	1108.7	1148.7	1136.5	1122.6	1072.2	1035.8	1032.3
45°	3275.8	1421.6	981.9	994.0	1049.7	1091.4	1089.6	1074.0	1020.1	981.9	976.7
47.5°	3527.8	1456.3	952.3	948.9	994.0	1020.1	1044.4	1020.1	964.5	921.1	915.8
50°	3828.5	1546.7	924.5	901.9	933.2	973.2	985.4	968.0	915.8	874.1	868.9
52.5°	4189.9	1671.8	900.2	860.2	868.9	924.5	952.3	936.7	877.6	832.4	825.5
55°	4541.0	1790.0	867.2	816.8	802.9	879.3	922.8	921.1	834.2	787.2	783.8
57.5°	4900.7	1901.2	830.7	780.3	757.7	830.7	891.5	898.5	789.0	738.6	738.6
60°	5265.6	1979.4	785.5	742.1	729.9	776.8	844.6	846.3	749.0	710.8	714.3
62.5°	5564.6	1932.5	740.3	705.6	696.9	724.7	792.5	808.1	745.5	703.8	707.3
65°	5691.4	1776.1	689.9	670.8	656.9	667.3	729.9	749.0	683.0	636.0	641.3
67.5°	5609.7	1548.4	639.5	630.8	611.7	608.2	648.2	660.4	611.7	582.2	578.7
70°	5124.9	1235.6	578.7	578.7	561.3	545.7	566.5	577.0	538.7	521.4	524.8
72.5°	4435.0	1004.5	519.6	526.6	502.2	481.4	493.5	498.8	476.2	467.5	464.0
75°	3837.1	839.4	460.5	471.0	444.9	411.9	425.8	425.8	406.7	404.9	403.2
77.5°	2797.9	630.8	396.2	408.4	387.5	345.8	349.3	351.0	344.1	344.1	345.8
80°	1197.4	385.8	323.2	342.4	321.5	271.1	281.5	281.5	298.9	342.4	335.4
82.5°	398.0	229.4	245.0	269.4	246.8	201.6	213.8	229.4	295.4	283.3	269.4
85°	170.3	126.9	156.4	170.3	158.1	121.6	139.0	239.8	219.0	212.0	213.8
87.5°	57.3	53.9	66.0	78.2	55.6	38.2	71.3	146.0	142.5	107.7	104.3
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)