

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P1210137

Luminaire Tested: **ARCH2-30-727-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210137
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-30-727-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 260mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

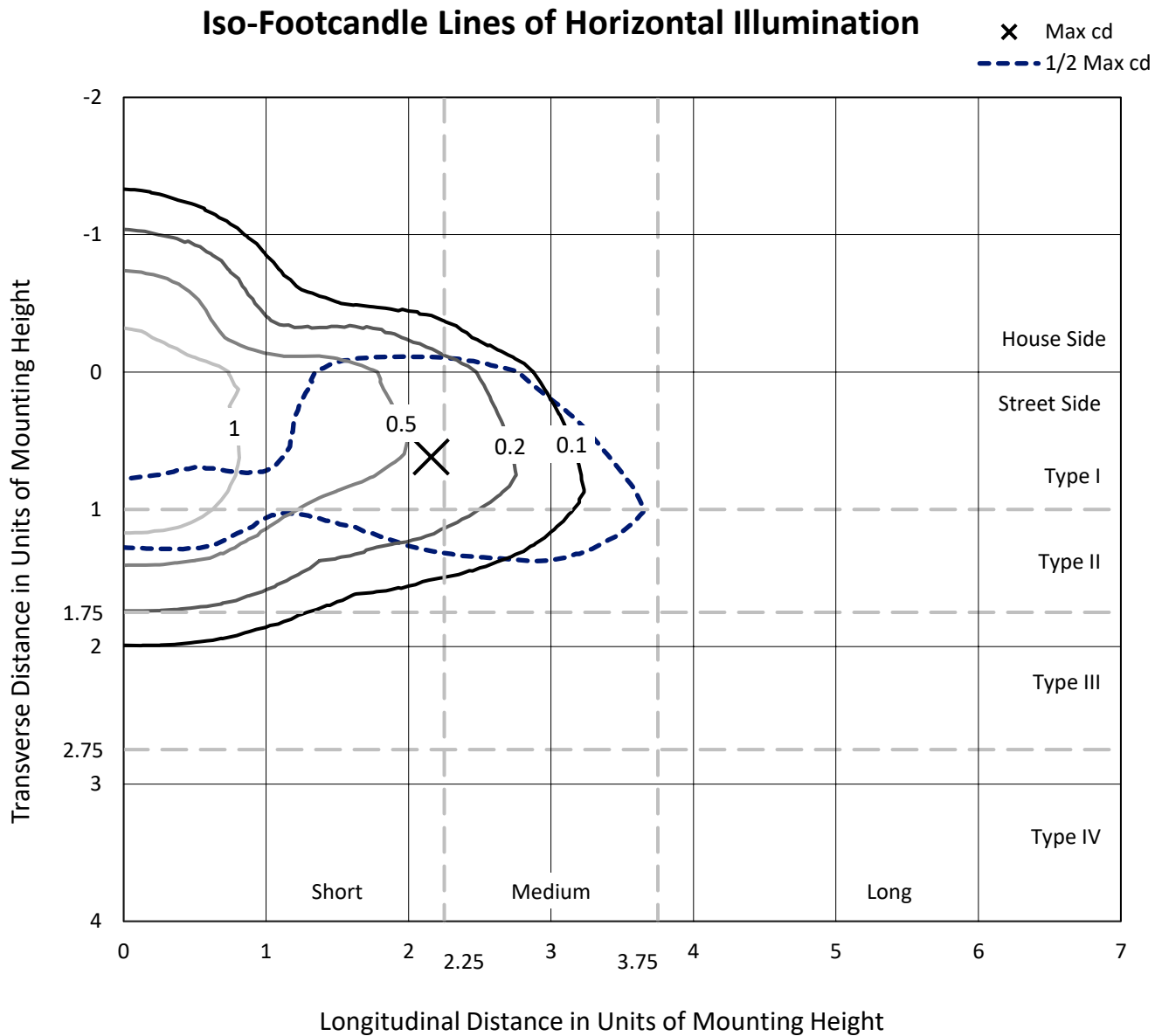
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5028 lumens
Efficiency: N/A
Efficacy: 146.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 34.4
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: 24 FT

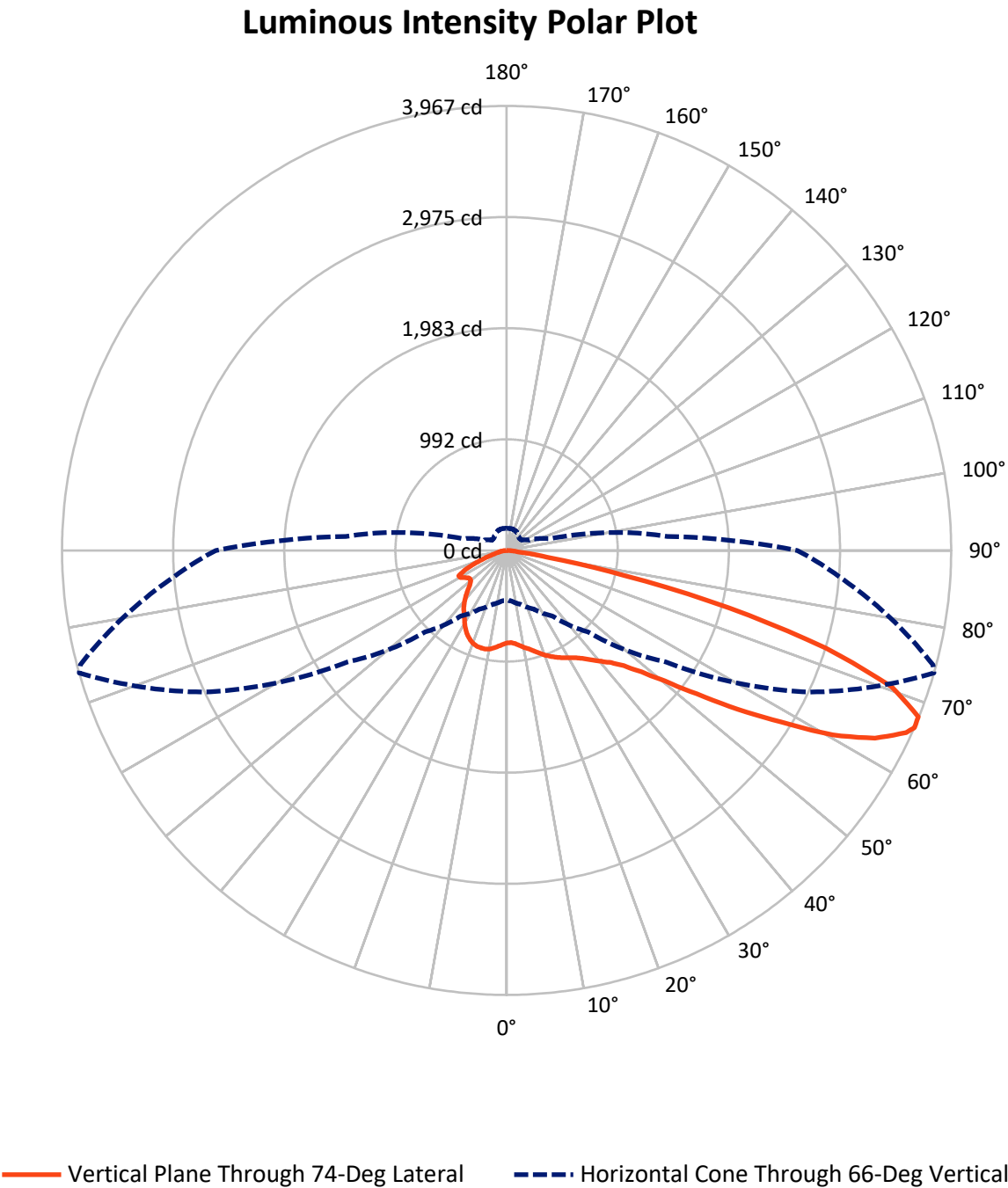


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Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1224.4	0.0	1224.4
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	3803.5	0.0	3803.5
	% Fixture	75.6	0.0	75.6
Total	Lumens	5028.0	0.0	5028.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.6	1.6
10°-20°	241.8	4.8
20°-30°	453.7	9.0
30°-40°	697.9	13.9
40°-50°	938.8	18.7
50°-60°	1110.2	22.1
60°-70°	1027.0	20.4
70°-80°	432.1	8.6
80°-90°	47.8	1.0
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°	5028.0	100.0
0°-180°	5028.0	100.0

Coefficient of Utilization



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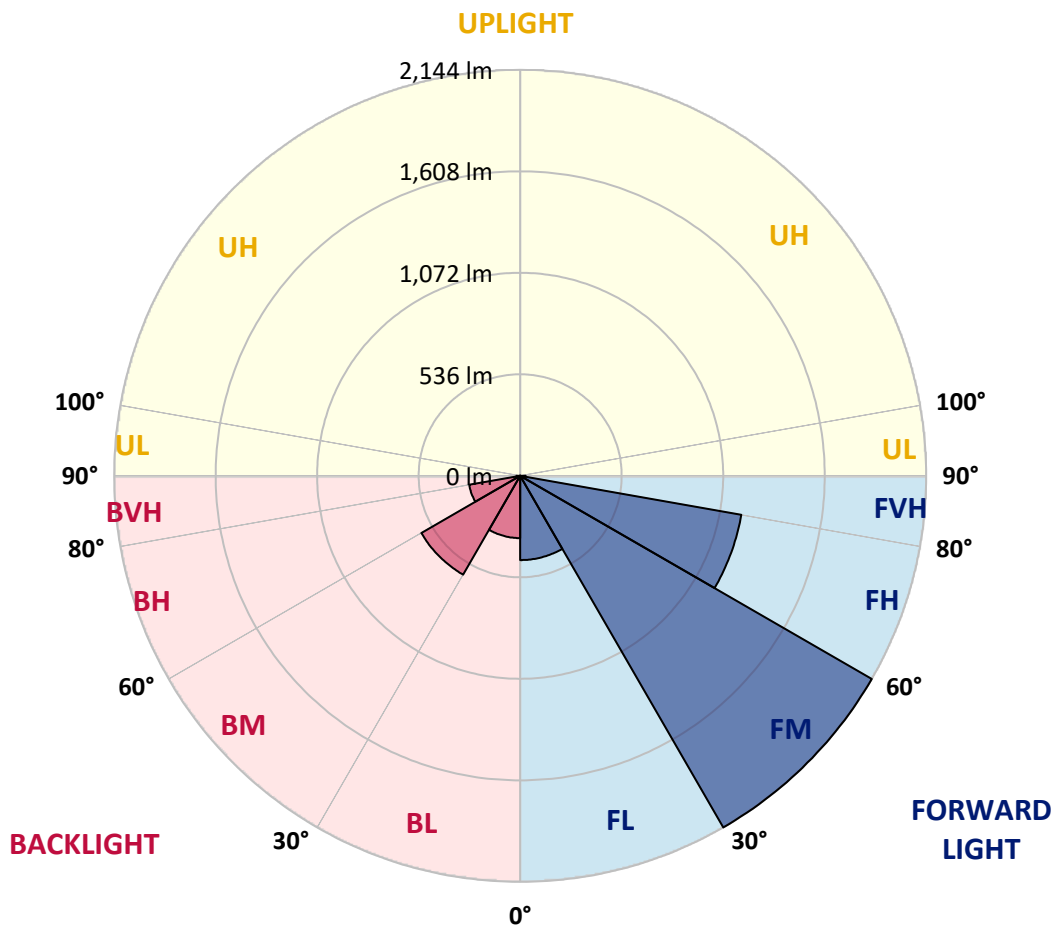
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	445.0	8.9			
FM	(30°-60°)	2144.2	42.6			
FH	(60°-80°)	1185.7	23.6			G1/1800
FVH	(80°-90°)	28.6	0.6			G1/100
BL	(0°-30°)	329.1	6.5	B1/500		
BM	(30°-60°)	602.8	12.0	B1/1000		
BH	(60°-80°)	273.3	5.4	B1/500		G1/500
BVH	(80°-90°)	19.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	824.3	824.3	824.3	824.3	824.3	824.3	824.3	824.3	824.3	824.3	824.3
2.5°	821.7	820.4	823.0	826.8	828.8	825.6	824.3	823.6	823.6	821.7	824.9
5°	782.8	782.2	788.0	795.1	808.7	818.4	831.4	839.1	836.5	832.7	835.3
7.5°	732.4	731.1	738.2	751.8	770.6	791.9	823.6	848.2	857.9	856.6	856.0
10°	751.8	750.5	749.9	746.0	752.4	773.1	806.1	849.5	882.5	883.1	883.8
12.5°	819.1	822.3	819.1	806.8	792.6	784.8	804.2	852.7	903.2	907.1	923.2
15°	911.0	907.7	901.2	887.0	865.0	841.7	827.5	867.6	932.9	936.2	971.8
17.5°	991.8	994.4	990.5	976.9	951.1	920.7	877.3	893.5	964.7	973.7	1023.5
20°	1079.8	1090.2	1085.0	1068.2	1046.8	1001.5	947.2	931.0	999.6	1006.1	1077.2
22.5°	1181.4	1192.4	1182.7	1166.5	1149.0	1093.4	1023.5	976.9	1028.7	1042.3	1129.0
25°	1303.0	1313.4	1304.3	1279.1	1257.1	1189.2	1105.7	1028.7	1057.2	1072.1	1171.0
27.5°	1399.4	1407.2	1415.6	1400.7	1367.1	1296.6	1191.1	1082.4	1085.6	1101.2	1209.9
30°	1485.5	1504.9	1512.0	1513.9	1485.5	1406.5	1278.4	1138.0	1110.2	1126.4	1248.7
32.5°	1603.2	1632.3	1620.7	1632.3	1615.5	1510.1	1369.0	1195.6	1141.9	1156.8	1285.6
35°	1775.3	1798.6	1768.2	1759.1	1732.0	1614.9	1456.4	1255.1	1184.0	1200.2	1320.5
37.5°	1960.4	1986.9	1942.9	1906.7	1854.9	1718.4	1531.4	1333.4	1242.2	1255.1	1352.8
40°	2122.1	2144.1	2105.9	2058.1	1971.4	1809.6	1596.1	1388.4	1300.4	1316.6	1390.4
42.5°	2271.6	2285.8	2243.1	2197.2	2081.3	1891.8	1666.0	1446.7	1368.4	1383.9	1420.8
45°	2423.0	2434.0	2374.4	2309.1	2173.2	1966.8	1743.0	1528.2	1468.0	1488.7	1469.9
47.5°	2450.1	2453.4	2443.0	2399.0	2245.7	2038.6	1838.1	1637.5	1620.0	1642.7	1554.7
50°	2261.9	2291.0	2355.0	2398.4	2274.8	2098.8	1933.2	1794.1	1829.7	1858.8	1730.7
52.5°	1896.3	1924.1	2072.3	2236.6	2204.9	2112.4	2035.4	1992.7	2125.3	2160.3	1970.1
55°	1510.7	1535.3	1691.9	1928.7	1979.1	2050.3	2144.7	2246.3	2502.5	2525.8	2232.7
57.5°	1244.1	1257.7	1369.7	1597.4	1678.3	1851.7	2203.6	2547.8	2886.2	2921.8	2461.1
60°	1020.3	1035.2	1118.6	1306.3	1413.7	1567.6	2157.0	2845.4	3344.3	3344.3	2754.2
62.5°	768.0	780.9	858.5	1005.4	1185.9	1327.0	2008.2	3042.8	3689.7	3674.2	2966.4
65°	527.3	537.6	593.9	691.6	854.0	1130.9	1805.1	3045.3	3918.8	3898.1	3057.0
66°	442.5	451.6	499.5	578.4	714.9	1026.1	1733.3	2990.4	3966.7	3937.5	3018.8
67.5°	349.4	355.8	387.5	434.1	524.1	830.7	1620.0	2834.4	3962.1	3944.7	2921.8
70°	249.7	254.3	277.6	287.3	309.9	480.7	1286.8	2482.5	3644.5	3649.6	2540.1
72.5°	193.4	200.6	214.8	216.7	211.6	255.6	780.9	2071.0	2981.3	2979.4	1885.3
75°	155.9	159.8	166.9	170.8	169.5	165.0	330.6	1545.0	2052.2	2076.2	1055.9
77.5°	122.9	122.3	128.7	133.9	137.8	129.4	151.4	905.8	1075.9	1045.5	396.6
80°	90.6	90.6	99.6	101.6	107.4	108.7	100.9	349.4	369.4	335.8	102.9
82.5°	59.5	59.5	69.2	70.5	76.3	84.8	73.1	104.8	102.2	97.0	46.6
85°	32.3	31.1	34.3	38.8	42.1	49.8	44.0	52.4	53.7	53.1	31.1
87.5°	6.5	5.8	9.1	10.4	11.6	15.5	14.2	21.4	29.8	29.1	13.6
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°	824.3	824.3	824.3	824.3	824.3	824.3	824.3	824.3	824.3	824.3	824.3
2.5°	829.4	828.8	835.9	844.3	854.0	859.8	862.4	867.0	863.7	865.0	868.9
5°	841.7	843.7	854.0	865.0	869.5	866.3	859.2	856.6	850.8	849.5	848.2
7.5°	859.8	863.1	873.4	876.0	862.4	839.8	823.6	814.6	804.8	802.3	801.0
10°	889.6	891.5	894.1	867.6	834.0	803.6	783.5	775.1	768.6	763.4	764.7
12.5°	927.1	925.8	905.8	850.8	802.9	771.9	758.3	753.1	748.6	745.3	744.7
15°	974.4	965.3	907.7	827.5	773.8	747.9	738.2	736.3	731.1	731.1	730.4
17.5°	1022.2	998.9	906.4	802.9	746.0	731.7	725.9	724.6	723.3	722.7	724.6
20°	1070.1	1028.7	896.1	772.5	726.6	718.2	716.9	717.5	716.2	718.2	716.9
22.5°	1112.2	1048.1	876.7	740.1	713.0	712.3	709.1	710.4	714.9	715.6	717.5
25°	1144.5	1055.2	848.2	710.4	703.3	702.0	705.9	711.0	714.9	715.6	718.8
27.5°	1171.0	1051.3	812.6	687.1	686.4	693.6	705.2	707.2	707.8	707.8	705.2
30°	1191.1	1042.9	767.3	661.2	664.5	681.9	692.9	692.9	687.7	686.4	690.3
32.5°	1195.6	1031.9	718.2	634.7	639.9	660.6	674.2	669.6	663.8	663.8	666.4
35°	1199.5	1017.1	678.7	598.5	606.2	630.8	643.7	634.7	628.2	626.3	625.6
37.5°	1198.2	1011.2	643.1	552.5	562.9	586.8	595.2	586.8	577.1	572.6	578.4
40°	1199.5	1007.4	598.5	502.1	512.4	526.6	537.6	531.2	522.1	510.5	516.3
42.5°	1207.3	1012.5	549.3	452.9	452.9	460.7	479.4	474.9	452.9	448.4	453.5
45°	1248.7	1040.3	500.1	403.7	396.6	401.8	421.2	401.8	388.2	388.2	392.7
47.5°	1349.0	1092.1	456.8	360.4	343.5	353.9	359.1	341.0	330.6	328.0	332.5
50°	1553.4	1195.6	430.9	324.8	304.1	311.8	308.6	308.0	297.6	298.9	301.5
52.5°	1864.0	1397.5	423.1	307.3	281.4	283.4	280.1	281.4	279.5	286.0	287.9
55°	2202.3	1610.3	432.8	309.9	265.9	252.3	253.6	260.1	267.9	278.2	280.1
57.5°	2455.3	1717.1	458.1	327.4	246.5	225.8	229.0	241.3	256.2	264.6	269.1
60°	2643.6	1704.2	494.9	331.9	223.2	201.9	207.7	225.8	238.7	245.9	250.4
62.5°	2705.0	1623.3	504.0	298.9	192.8	179.2	193.4	212.2	218.0	225.8	229.0
65°	2654.6	1508.8	438.0	242.6	169.5	162.4	183.1	197.3	205.1	209.0	209.6
66°	2595.0	1440.2	402.4	220.6	161.1	157.2	179.2	190.9	198.6	198.0	198.6
67.5°	2464.4	1296.6	344.8	189.6	148.8	149.5	172.7	180.5	183.1	181.2	181.2
70°	2019.9	912.9	247.1	143.6	130.7	139.7	155.3	157.2	163.0	160.5	160.5
72.5°	1245.4	448.4	165.6	110.0	116.5	130.7	130.0	136.5	150.1	154.0	156.6
75°	612.0	181.8	109.3	93.2	104.2	109.3	108.0	124.2	143.6	160.5	166.3
77.5°	232.3	90.6	76.3	81.5	84.1	82.2	86.0	112.6	143.6	174.0	179.9
80°	71.8	62.8	60.2	67.3	63.4	60.2	64.7	93.2	121.6	132.0	132.0
82.5°	43.3	49.2	46.6	45.9	42.7	43.3	46.6	66.6	93.8	98.3	98.3
85°	30.4	32.3	26.5	25.2	24.6	23.9	23.9	38.8	55.6	55.0	56.9
87.5°	11.6	12.9	9.7	9.7	9.1	6.5	5.2	6.5	6.5	4.5	3.2
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)