

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: P1210149

Luminaire Tested: **ARCH2-30-740-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210149
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: ARCH2-30-740-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 260mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5471 lumens
Efficiency: N/A
Efficacy: 159.0 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



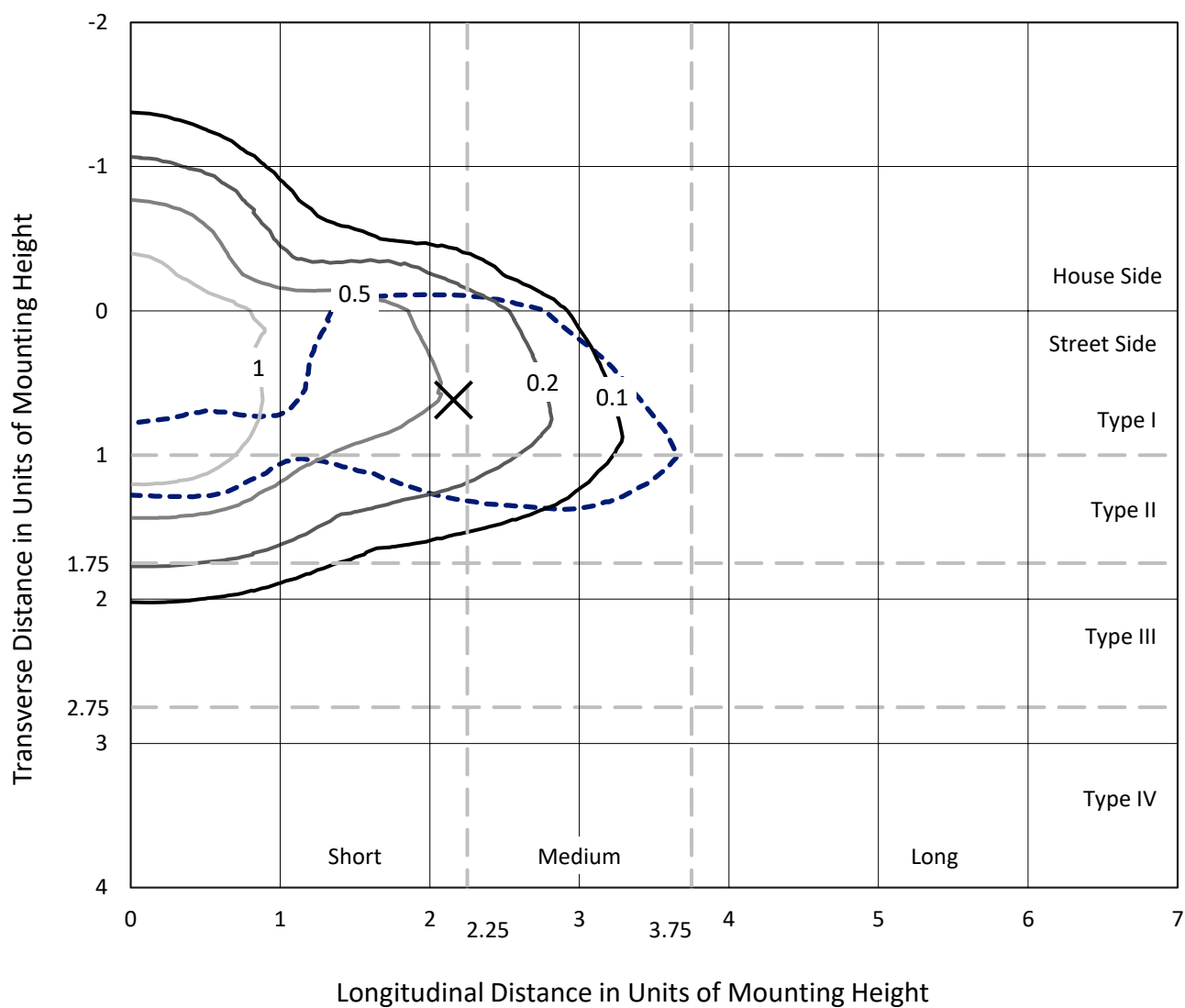
REPORT NUMBER: P1210149

CATALOG NUMBER: ARCH2-30-740-U-T2RE

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

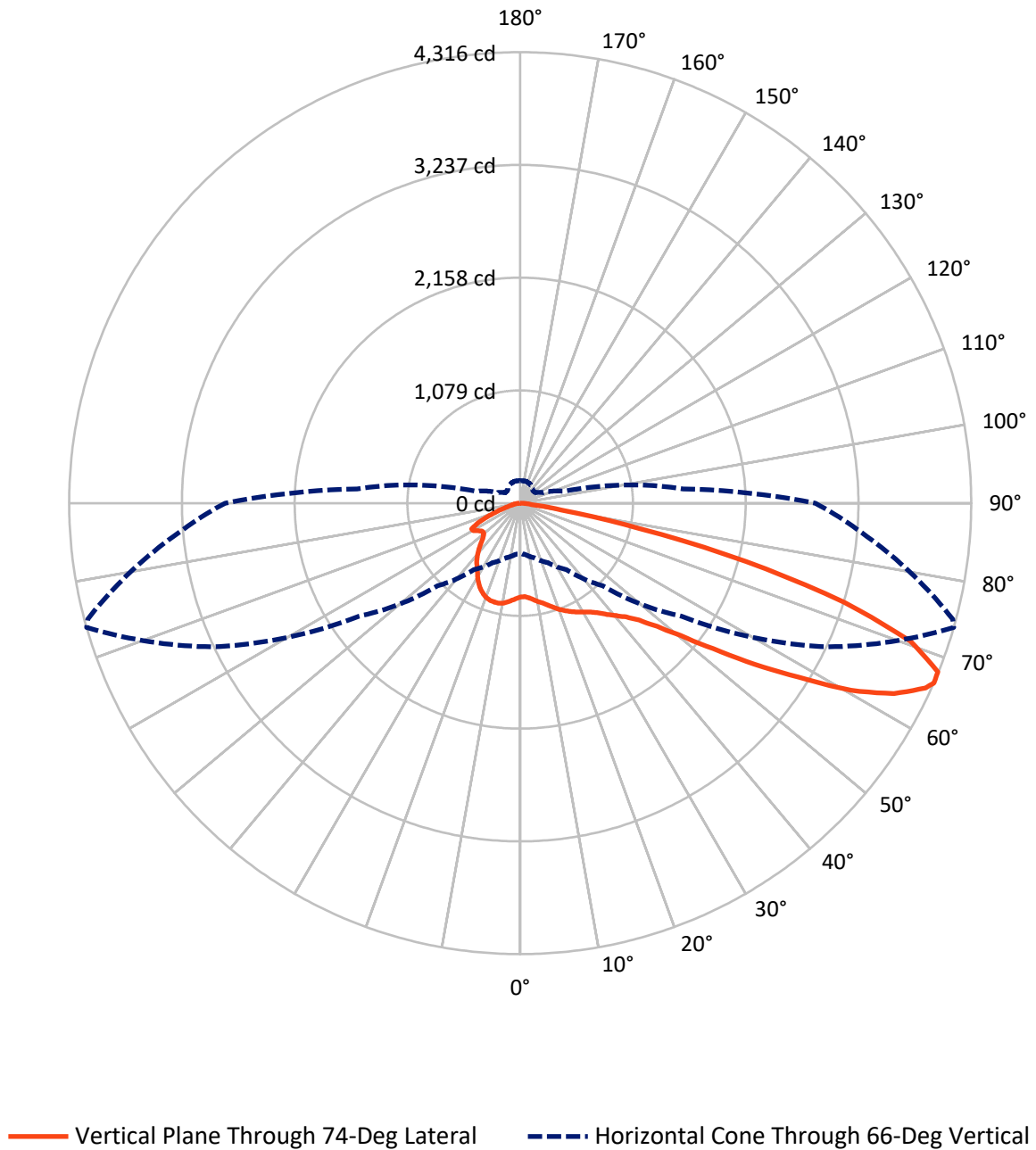
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
Type II - Short - N/A

REPORT NUMBER: P1210149
CATALOG NUMBER: ARCH2-30-740-U-T2RE

Luminous Intensity Polar Plot



REPORT NUMBER: P1210149

CATALOG NUMBER: ARCH2-30-740-U-T2RE

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1332.3	0.0	1332.3
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	4138.7	0.0	4138.7
	% Fixture	75.6	0.0	75.6
Total	Lumens	5471.0	0.0	5471.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.6	1.6
10°-20°	263.1	4.8
20°-30°	493.7	9.0
30°-40°	759.4	13.9
40°-50°	1021.5	18.7
50°-60°	1208.0	22.1
60°-70°	1117.5	20.4
70°-80°	470.1	8.6
80°-90°	52.0	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°	5471.0	100.0
0°-180°	5471.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210149

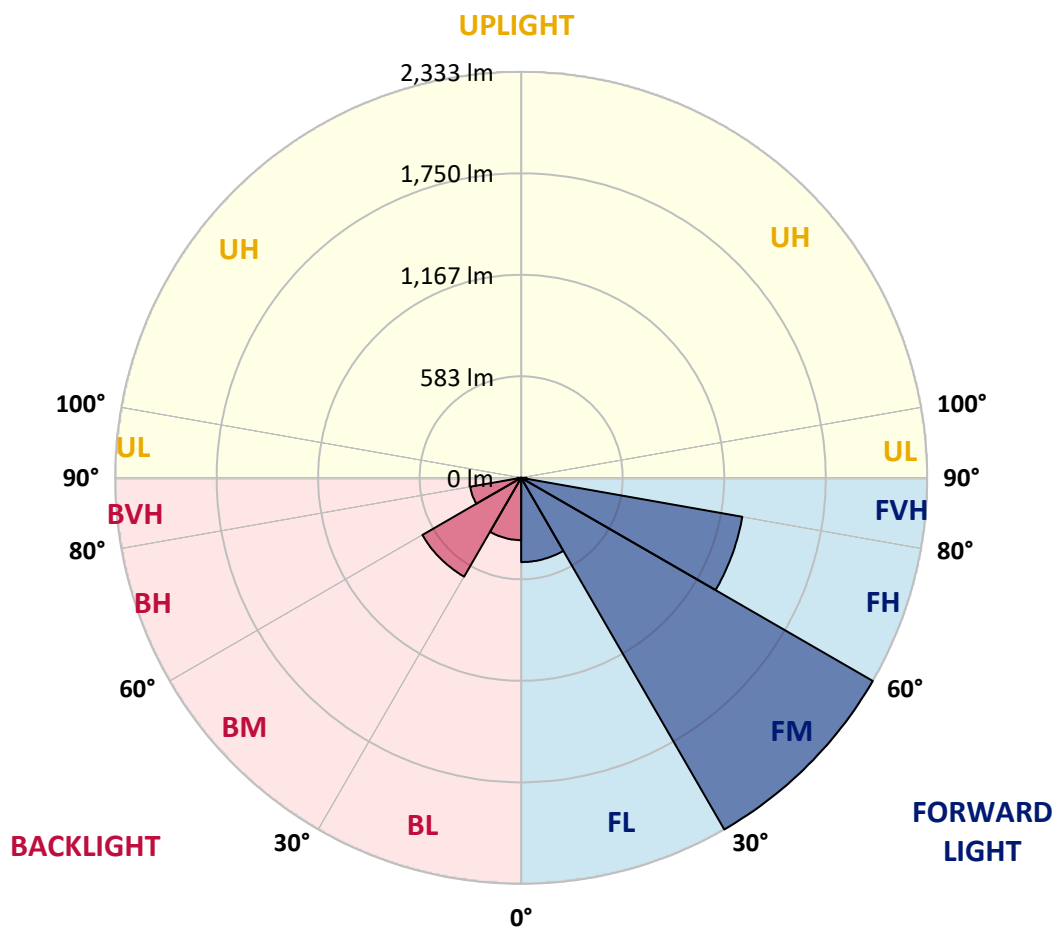
CATALOG NUMBER: ARCH2-30-740-U-T2RE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	484.2	8.9			
FM	(30°-60°)	2333.1	42.6			
FH	(60°-80°)	1290.2	23.6			G1/1800
FVH	(80°-90°)	31.1	0.6			G1/100
BL	(0°-30°)	358.1	6.5	B1/500		
BM	(30°-60°)	655.9	12.0	B1/1000		
BH	(60°-80°)	297.4	5.4	B1/500		G1/500
BVH	(80°-90°)	20.9	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



REPORT NUMBER: P1210149

CATALOG NUMBER: ARCH2-30-740-U-T2RE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	896.9	896.9	896.9	896.9	896.9	896.9	896.9	896.9	896.9	896.9	896.9
2.5°	894.1	892.7	895.5	899.7	901.8	898.3	896.9	896.2	896.2	894.1	897.6
5°	851.8	851.1	857.5	865.2	880.0	890.5	904.6	913.1	910.3	906.0	908.8
7.5°	796.9	795.5	803.2	818.0	838.4	861.7	896.2	922.9	933.5	932.1	931.4
10°	818.0	816.6	815.9	811.7	818.7	841.3	877.2	924.3	960.2	960.9	961.6
12.5°	891.2	894.8	891.2	877.9	862.4	853.9	875.1	927.9	982.8	987.0	1004.6
15°	991.2	987.7	980.7	965.2	941.2	915.9	900.4	944.0	1015.1	1018.7	1057.4
17.5°	1079.2	1082.0	1077.8	1063.0	1034.9	1001.8	954.6	972.2	1049.6	1059.5	1113.7
20°	1175.0	1186.2	1180.6	1162.3	1139.1	1089.8	1030.6	1013.0	1087.7	1094.7	1172.1
22.5°	1285.5	1297.4	1286.9	1269.3	1250.3	1189.7	1113.7	1063.0	1119.3	1134.1	1228.5
25°	1417.8	1429.1	1419.2	1391.8	1367.8	1293.9	1203.1	1119.3	1150.3	1166.5	1274.2
27.5°	1522.7	1531.2	1540.3	1524.1	1487.5	1410.8	1296.0	1177.8	1181.3	1198.2	1316.5
30°	1616.4	1637.5	1645.2	1647.3	1616.4	1530.5	1391.1	1238.3	1208.0	1225.6	1358.7
32.5°	1744.5	1776.2	1763.5	1776.2	1757.9	1643.1	1489.6	1301.0	1242.5	1258.7	1398.8
35°	1931.7	1957.1	1924.0	1914.1	1884.6	1757.2	1584.7	1365.7	1288.3	1305.9	1436.8
37.5°	2133.1	2161.9	2114.1	2074.6	2018.3	1869.8	1666.3	1450.9	1351.7	1365.7	1472.0
40°	2309.1	2333.0	2291.5	2239.4	2145.0	1969.1	1736.7	1510.8	1415.0	1432.6	1512.9
42.5°	2471.7	2487.2	2440.7	2390.7	2264.7	2058.5	1812.8	1574.1	1488.9	1505.8	1546.0
45°	2636.4	2648.4	2583.6	2512.5	2364.7	2140.1	1896.5	1662.8	1597.3	1619.9	1599.5
47.5°	2666.0	2669.5	2658.3	2610.4	2443.5	2218.3	2000.0	1781.8	1762.8	1787.4	1691.7
50°	2461.1	2492.8	2562.5	2609.7	2475.2	2283.7	2103.5	1952.2	1990.9	2022.6	1883.2
52.5°	2063.4	2093.7	2254.9	2433.7	2399.2	2298.5	2214.7	2168.3	2312.6	2350.6	2143.6
55°	1643.8	1670.6	1840.9	2098.6	2153.5	2230.9	2333.7	2444.2	2723.0	2748.4	2429.5
57.5°	1353.8	1368.5	1490.3	1738.1	1826.1	2014.8	2397.8	2772.3	3140.5	3179.2	2678.0
60°	1110.2	1126.4	1217.2	1421.3	1538.2	1705.8	2347.1	3096.1	3638.9	3638.9	2996.9
62.5°	835.6	849.7	934.2	1094.0	1290.4	1443.9	2185.2	3310.8	4014.8	3997.9	3227.8
65°	573.7	585.0	646.3	752.6	929.3	1230.6	1964.1	3313.7	4264.0	4241.5	3326.3
66°	481.5	491.4	543.5	629.4	777.9	1116.5	1886.0	3253.8	4316.1	4284.5	3284.8
67.5°	380.2	387.2	421.7	472.4	570.2	903.9	1762.8	3084.2	4311.2	4292.2	3179.2
70°	271.7	276.7	302.0	312.6	337.2	523.1	1400.2	2701.2	3965.6	3971.2	2763.9
72.5°	210.5	218.2	233.7	235.8	230.2	278.1	849.7	2253.5	3244.0	3241.9	2051.4
75°	169.7	173.9	181.6	185.9	184.4	179.5	359.7	1681.1	2233.0	2259.1	1148.9
77.5°	133.8	133.1	140.1	145.7	149.9	140.8	164.7	985.6	1170.7	1137.6	431.5
80°	98.6	98.6	108.4	110.5	116.9	118.3	109.8	380.2	402.0	365.4	111.9
82.5°	64.8	64.8	75.3	76.7	83.1	92.2	79.6	114.0	111.2	105.6	50.7
85°	35.2	33.8	37.3	42.2	45.8	54.2	47.9	57.0	58.4	57.7	33.8
87.5°	7.0	6.3	9.9	11.3	12.7	16.9	15.5	23.2	32.4	31.7	14.8
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: P1210149

CATALOG NUMBER: ARCH2-30-740-U-T2RE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	896.9	896.9	896.9	896.9	896.9	896.9	896.9	896.9	896.9	896.9	896.9
2.5°	902.5	901.8	909.6	918.7	929.3	935.6	938.4	943.3	939.8	941.2	945.5
5°	915.9	918.0	929.3	941.2	946.2	942.6	934.9	932.1	925.7	924.3	922.9
7.5°	935.6	939.1	950.4	953.2	938.4	913.8	896.2	886.3	875.8	872.9	871.5
10°	968.0	970.1	972.9	944.0	907.4	874.4	852.5	843.4	836.3	830.7	832.1
12.5°	1008.8	1007.4	985.6	925.7	873.6	839.9	825.1	819.4	814.5	811.0	810.3
15°	1060.2	1050.3	987.7	900.4	842.0	813.8	803.2	801.1	795.5	795.5	794.8
17.5°	1112.3	1087.0	986.3	873.6	811.7	796.2	789.9	788.5	787.1	786.4	788.5
20°	1164.4	1119.3	975.0	840.6	790.6	781.4	780.0	780.7	779.3	781.4	780.0
22.5°	1210.2	1140.5	953.9	805.4	775.8	775.1	771.6	773.0	777.9	778.6	780.7
25°	1245.4	1148.2	922.9	773.0	765.2	763.8	768.0	773.7	777.9	778.6	782.1
27.5°	1274.2	1144.0	884.2	747.6	746.9	754.7	767.3	769.5	770.2	770.2	767.3
30°	1296.0	1134.8	834.9	719.5	723.0	742.0	754.0	754.0	748.3	746.9	751.2
32.5°	1301.0	1122.9	781.4	690.6	696.2	718.8	733.6	728.6	722.3	722.3	725.1
35°	1305.2	1106.7	738.5	651.2	659.6	686.4	700.5	690.6	683.6	681.5	680.8
37.5°	1303.8	1100.3	699.8	601.2	612.5	638.5	647.7	638.5	628.0	623.0	629.4
40°	1305.2	1096.1	651.2	546.3	557.6	573.0	585.0	578.0	568.1	555.4	561.8
42.5°	1313.6	1101.7	597.7	492.8	492.8	501.2	521.7	516.7	492.8	487.9	493.5
45°	1358.7	1132.0	544.2	439.3	431.5	437.2	458.3	437.2	422.4	422.4	427.3
47.5°	1467.8	1188.3	497.0	392.1	373.8	385.1	390.7	371.0	359.7	356.9	361.8
50°	1690.3	1301.0	468.9	353.4	330.9	339.3	335.8	335.1	323.8	325.2	328.1
52.5°	2028.2	1520.6	460.4	334.4	306.2	308.3	304.8	306.2	304.1	311.2	313.3
55°	2396.4	1752.2	471.0	337.2	289.3	274.6	276.0	283.0	291.5	302.7	304.8
57.5°	2671.6	1868.4	498.4	356.2	268.2	245.7	249.2	262.6	278.8	287.9	292.9
60°	2876.5	1854.3	538.5	361.1	242.9	219.6	226.0	245.7	259.8	267.5	272.4
62.5°	2943.4	1766.3	548.4	325.2	209.8	195.0	210.5	230.9	237.2	245.7	249.2
65°	2888.5	1641.7	476.6	264.0	184.4	176.7	199.2	214.7	223.2	227.4	228.1
66°	2823.7	1567.1	437.9	240.1	175.3	171.1	195.0	207.7	216.1	215.4	216.1
67.5°	2681.5	1410.8	375.2	206.3	161.9	162.6	188.0	196.4	199.2	197.1	197.1
70°	2197.8	993.3	268.9	156.3	142.2	152.1	169.0	171.1	177.4	174.6	174.6
72.5°	1355.2	487.9	180.2	119.7	126.7	142.2	141.5	148.5	163.3	167.5	170.4
75°	666.0	197.8	119.0	101.4	113.3	119.0	117.6	135.2	156.3	174.6	180.9
77.5°	252.7	98.6	83.1	88.7	91.5	89.4	93.6	122.5	156.3	189.4	195.7
80°	78.1	68.3	65.5	73.2	69.0	65.5	70.4	101.4	132.3	143.6	143.6
82.5°	47.2	53.5	50.7	50.0	46.5	47.2	50.7	72.5	102.1	107.0	107.0
85°	33.1	35.2	28.9	27.5	26.8	26.0	26.0	42.2	60.5	59.8	62.0
87.5°	12.7	14.1	10.6	10.6	9.9	7.0	5.6	7.0	7.0	4.9	3.5
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)