

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: P1210474

Luminaire Tested: **ARCH3-130-750-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210474
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH3-130-750-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5000K, 1035mA LIGHTSQUARE WITH 40 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14007 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 132.6
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

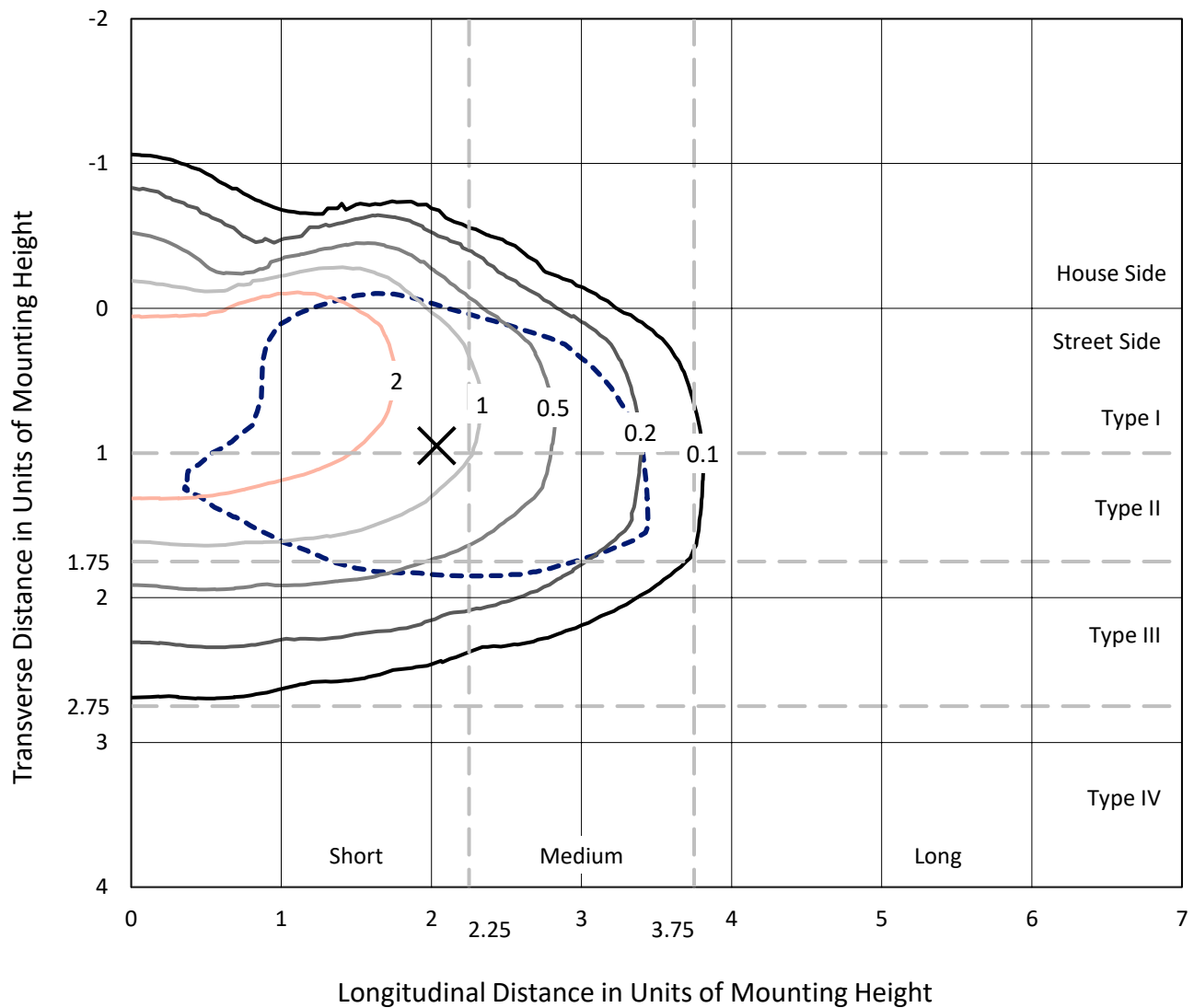


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Iso-Footcandle Lines of Horizontal Illumination

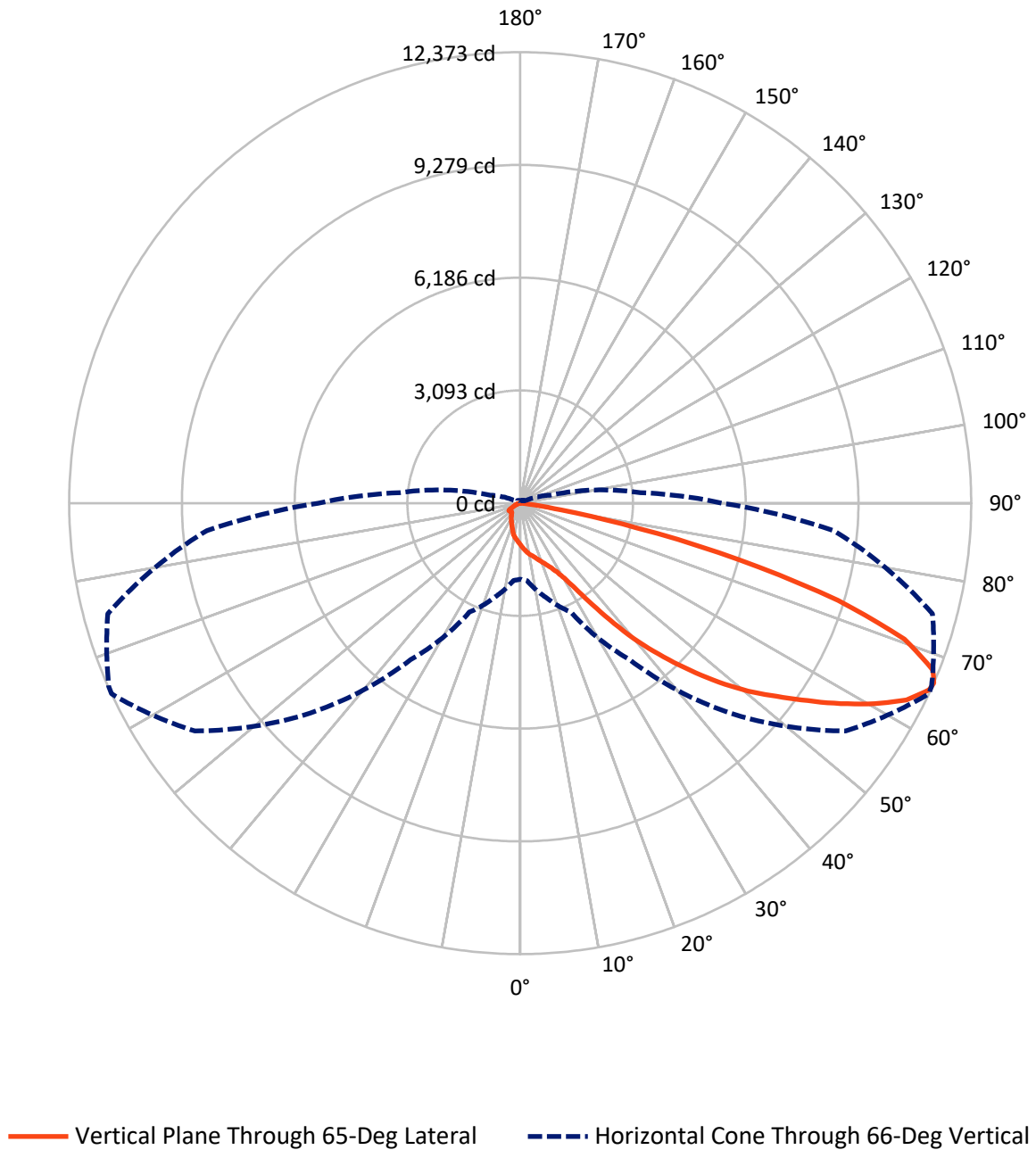
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1653.1	0.0	1653.1
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	12353.9	0.0	12353.9
	% Fixture	88.2	0.0	88.2
Total	Lumens	14007.0	0.0	14007.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.2	0.8
10°-20°	320.3	2.3
20°-30°	586.2	4.2
30°-40°	1191.1	8.5
40°-50°	2515.3	18.0
50°-60°	3866.8	27.6
60°-70°	3892.2	27.8
70°-80°	1454.3	10.4
80°-90°	72.7	0.5
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°	14007.0	100.0
0°-180°	14007.0	100.0

Coefficient of Utilization



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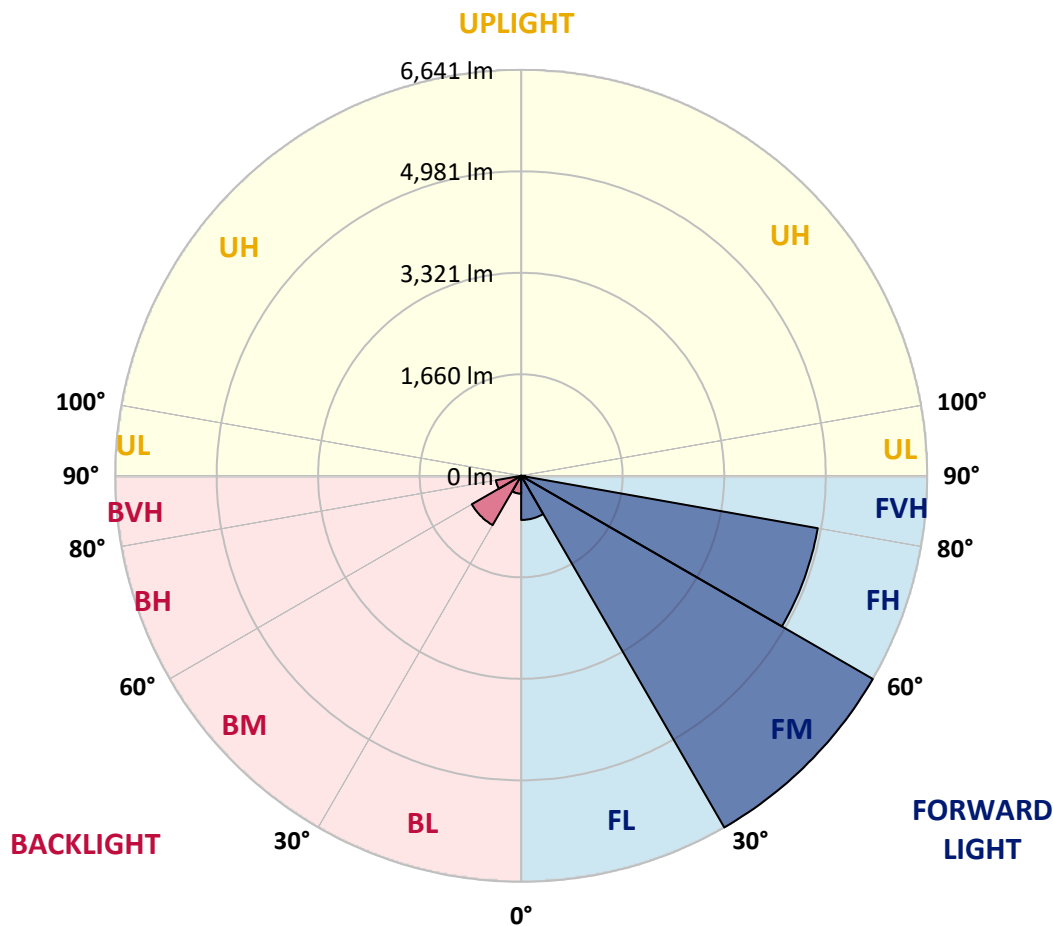
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	722.0	5.2			
FM	(30°-60°)	6641.1	47.4			
FH	(60°-80°)	4926.6	35.2			G2/5000
FVH	(80°-90°)	64.1	0.5			G1/100
BL	(0°-30°)	292.6	2.1	B1/500		
BM	(30°-60°)	932.0	6.7	B1/1000		
BH	(60°-80°)	419.9	3.0	B1/500		G1/500
BVH	(80°-90°)	8.5	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1141.2	1141.2	1141.2	1141.2	1141.2	1141.2	1141.2	1141.2	1141.2	1141.2	1141.2
2.5°	1301.3	1303.8	1298.8	1288.6	1278.4	1265.7	1245.4	1212.3	1207.3	1184.4	1159.0
5°	1390.3	1395.3	1387.7	1385.2	1380.1	1362.3	1334.3	1286.0	1281.0	1235.2	1176.8
7.5°	1420.8	1428.4	1423.3	1423.3	1423.3	1415.7	1403.0	1359.8	1352.1	1293.7	1204.7
10°	1443.6	1448.7	1446.2	1456.3	1464.0	1458.9	1451.3	1425.8	1418.2	1359.8	1242.8
12.5°	1479.2	1481.8	1484.3	1489.4	1502.1	1507.2	1504.6	1481.8	1476.7	1436.0	1291.1
15°	1512.2	1512.2	1514.8	1537.7	1555.5	1565.6	1568.2	1550.4	1545.3	1512.2	1352.1
17.5°	1542.7	1545.3	1552.9	1578.3	1608.8	1629.2	1641.9	1634.2	1626.6	1601.2	1423.3
20°	1588.5	1593.6	1601.2	1636.8	1667.3	1700.3	1725.7	1723.2	1720.7	1702.9	1507.2
22.5°	1667.3	1672.4	1685.1	1718.1	1748.6	1789.3	1832.5	1829.9	1822.3	1809.6	1606.3
25°	1786.7	1786.7	1794.4	1822.3	1860.4	1908.7	1949.4	1957.0	1949.4	1941.8	1730.8
27.5°	1936.7	1939.2	1939.2	1969.7	2005.3	2066.3	2117.1	2124.8	2124.8	2117.1	1898.6
30°	2145.1	2137.5	2132.4	2157.8	2195.9	2284.9	2373.9	2389.1	2381.5	2394.2	2134.9
32.5°	2503.5	2490.8	2447.6	2452.6	2475.5	2597.5	2747.5	2800.8	2798.3	2821.2	2516.2
35°	2999.1	2973.7	2910.1	2856.8	2854.2	2986.4	3215.1	3415.9	3413.4	3492.2	3095.7
37.5°	3558.2	3591.3	3471.8	3380.3	3352.4	3456.6	3751.4	4186.0	4208.9	4346.1	3855.6
40°	4305.5	4325.8	4173.3	4043.7	3911.5	3949.6	4338.5	5014.6	5055.2	5207.7	4615.5
42.5°	4956.1	4976.4	4887.5	4729.9	4562.2	4491.0	4930.7	5766.9	5799.9	6010.9	5398.3
45°	5398.3	5413.6	5444.1	5459.3	5268.7	5121.3	5655.1	6539.5	6580.2	6824.2	6163.4
47.5°	5744.0	5756.7	5817.7	5970.2	5932.1	5815.2	6392.1	7342.7	7352.8	7624.8	6908.1
50°	5904.1	5934.6	6084.6	6318.4	6486.2	6519.2	7192.7	8102.6	8130.6	8389.8	7612.1
52.5°	5726.2	5736.4	6115.1	6554.8	6892.8	7228.3	7995.9	8806.6	8888.0	9081.1	8244.9
55°	5126.4	5200.1	5774.5	6547.2	7213.0	7901.8	8854.9	9566.6	9640.3	9762.3	8801.5
57.5°	4430.0	4511.3	5210.3	6219.3	7350.3	8524.5	9650.4	10374.8	10425.6	10458.7	9312.4
60°	3827.6	3903.9	4623.2	5591.5	7213.0	8964.2	10390.0	11177.9	11221.1	11132.2	9569.1
62.5°	3088.0	3164.3	3888.6	4760.4	6674.2	9053.2	10939.0	11892.1	11909.9	11668.5	9411.5
65°	2328.1	2378.9	2983.8	3731.1	5731.3	8580.4	11063.6	12336.9	12319.1	11823.5	8938.8
66°	2086.6	2129.9	2663.6	3299.0	5240.8	8148.4	10895.8	12372.5	12354.7	11709.1	8628.7
67.5°	1799.4	1812.2	2251.9	2699.2	4384.3	7230.8	10385.0	12209.8	12225.1	11394.0	8061.9
70°	1405.5	1403.0	1657.1	1878.2	2994.0	5144.2	8661.8	11185.6	11259.3	10204.5	6875.0
72.5°	899.7	869.2	1016.6	1148.8	1743.5	2986.4	6315.9	9116.7	9241.2	8016.2	5121.3
75°	536.3	505.8	541.4	574.4	836.2	1436.0	3713.3	6204.0	6323.5	5139.1	3047.4
77.5°	401.6	388.9	391.4	363.4	371.1	538.8	1695.2	3278.7	3365.1	2104.4	1156.4
80°	307.5	274.5	256.7	269.4	244.0	213.5	630.3	1128.5	1181.8	498.2	241.5
82.5°	205.9	177.9	165.2	180.5	155.0	119.5	152.5	218.6	213.5	134.7	94.0
85°	106.7	91.5	91.5	91.5	78.8	58.5	66.1	89.0	89.0	71.2	55.9
87.5°	30.5	28.0	33.0	30.5	22.9	22.9	25.4	30.5	30.5	28.0	25.4
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°	1141.2	1141.2	1141.2	1141.2	1141.2	1141.2	1141.2	1141.2	1141.2	1141.2	1141.2
2.5°	1138.6	1128.5	1100.5	1080.2	1059.8	1042.1	1021.7	1016.6	1006.5	1009.0	1003.9
5°	1146.3	1118.3	1070.0	1024.3	988.7	958.2	920.1	904.8	884.5	876.9	871.8
7.5°	1156.4	1115.8	1044.6	981.1	920.1	859.1	798.1	762.5	739.6	729.4	721.8
10°	1179.3	1125.9	1031.9	932.8	828.6	742.1	681.1	655.7	640.5	637.9	635.4
12.5°	1209.8	1141.2	1019.2	871.8	734.5	653.2	615.1	607.4	604.9	604.9	602.4
15°	1255.5	1166.6	998.8	800.6	660.8	604.9	587.1	574.4	569.3	569.3	569.3
17.5°	1301.3	1197.1	968.3	726.9	610.0	574.4	556.6	549.0	543.9	546.4	543.9
20°	1359.8	1232.7	927.7	663.4	576.9	549.0	531.2	523.6	521.0	521.0	521.0
22.5°	1425.8	1273.3	876.9	615.1	549.0	523.6	505.8	498.2	493.1	495.6	495.6
25°	1514.8	1324.2	823.5	566.8	521.0	498.2	477.8	467.7	467.7	470.2	472.7
27.5°	1629.2	1385.2	770.1	536.3	495.6	472.7	449.9	439.7	442.2	447.3	447.3
30°	1796.9	1469.0	716.7	503.2	467.7	442.2	421.9	411.7	416.8	427.0	427.0
32.5°	2035.8	1606.3	671.0	465.1	427.0	399.0	378.7	371.1	383.8	404.1	404.1
35°	2462.8	1857.9	643.0	427.0	383.8	350.7	325.3	317.7	335.5	360.9	360.9
37.5°	3034.7	2262.0	653.2	393.9	348.2	310.1	282.1	272.0	284.7	307.5	315.2
40°	3672.6	2750.0	742.1	366.0	315.2	277.0	249.1	238.9	246.5	256.7	259.2
42.5°	4310.5	3268.5	909.9	345.7	289.7	249.1	223.7	216.0	221.1	223.7	226.2
45°	4945.9	3781.9	1120.8	332.9	266.9	226.2	200.8	200.8	203.3	203.3	203.3
47.5°	5548.3	4282.6	1342.0	330.4	246.5	203.3	183.0	185.5	185.5	188.1	188.1
50°	6117.6	4729.9	1565.6	338.0	228.7	183.0	167.7	167.7	167.7	170.3	167.7
52.5°	6592.9	5121.3	1799.4	350.7	211.0	167.7	152.5	152.5	152.5	155.0	152.5
55°	7042.8	5477.1	2038.4	368.5	195.7	155.0	139.8	134.7	134.7	137.2	134.7
57.5°	7408.8	5713.5	2264.6	371.1	183.0	142.3	129.6	122.0	122.0	122.0	122.0
60°	7424.0	5576.3	2330.6	325.3	167.7	129.6	116.9	106.7	109.3	109.3	109.3
62.5°	6938.6	4854.4	1873.2	244.0	150.0	116.9	106.7	96.6	96.6	96.6	96.6
65°	5985.5	3776.8	1098.0	193.2	129.6	104.2	94.0	86.4	86.4	86.4	83.9
66°	5538.1	3311.7	841.3	175.4	122.0	101.7	91.5	83.9	81.3	78.8	78.8
67.5°	4808.7	2617.8	526.1	155.0	111.8	94.0	83.9	76.2	73.7	71.2	71.2
70°	3621.8	1662.2	256.7	119.5	96.6	81.3	73.7	66.1	63.5	61.0	58.5
72.5°	2541.6	973.4	134.7	91.5	78.8	71.2	63.5	55.9	53.4	50.8	50.8
75°	1436.0	470.2	89.0	66.1	63.5	58.5	53.4	45.7	43.2	43.2	43.2
77.5°	543.9	162.7	61.0	48.3	50.8	45.7	38.1	38.1	35.6	38.1	35.6
80°	142.3	71.2	38.1	35.6	38.1	33.0	28.0	30.5	30.5	30.5	30.5
82.5°	76.2	40.7	22.9	25.4	22.9	22.9	17.8	20.3	22.9	20.3	22.9
85°	53.4	20.3	12.7	12.7	10.2	10.2	7.6	10.2	12.7	10.2	10.2
87.5°	28.0	7.6	7.6	7.6	7.6	5.1	2.5	0.0	2.5	2.5	2.5
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)