

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: P1210974

Luminaire Tested: **ARCH4-130-730-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210974
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: ARCH4-130-730-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1080mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15142 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 132
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

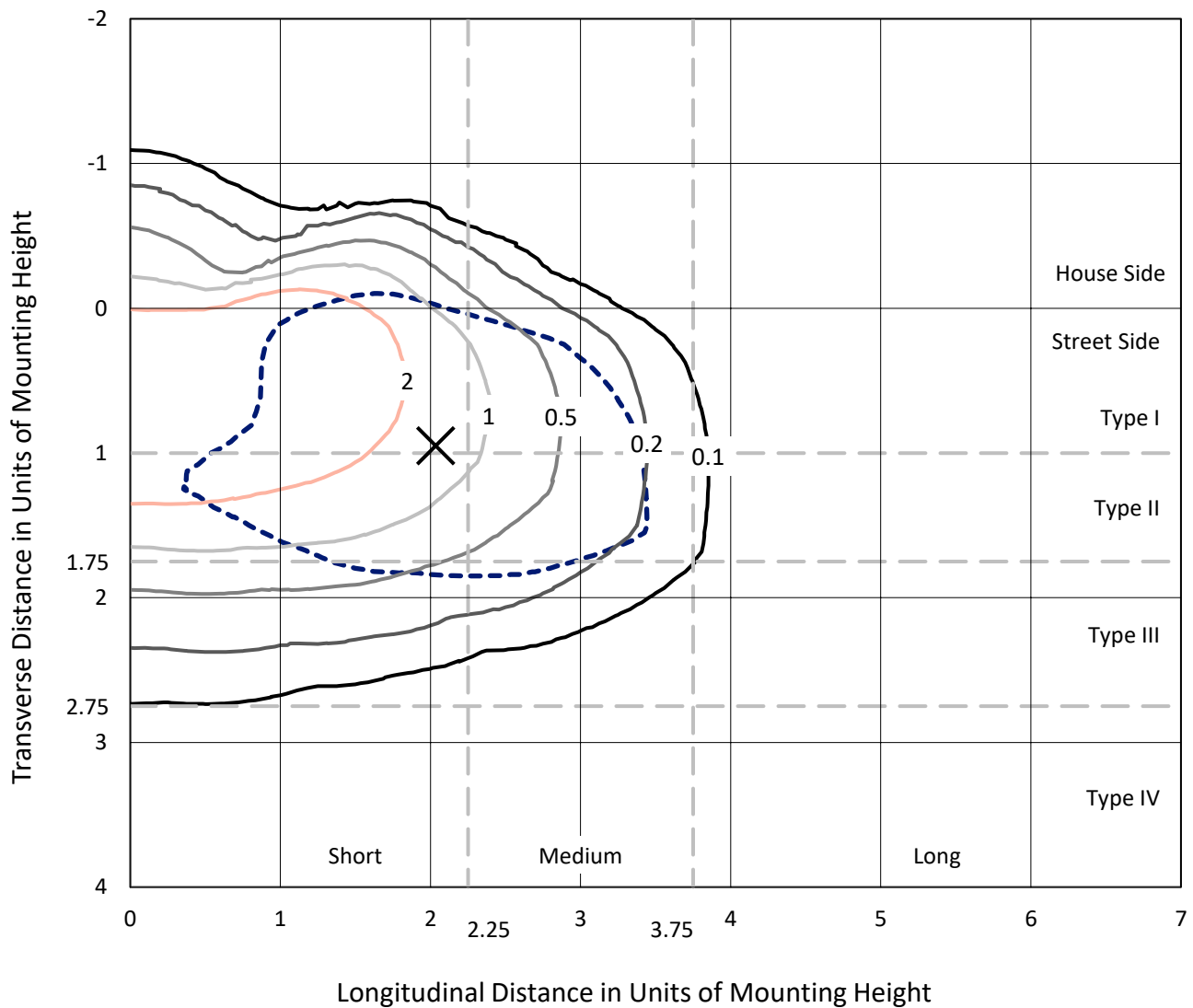


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Iso-Footcandle Lines of Horizontal Illumination

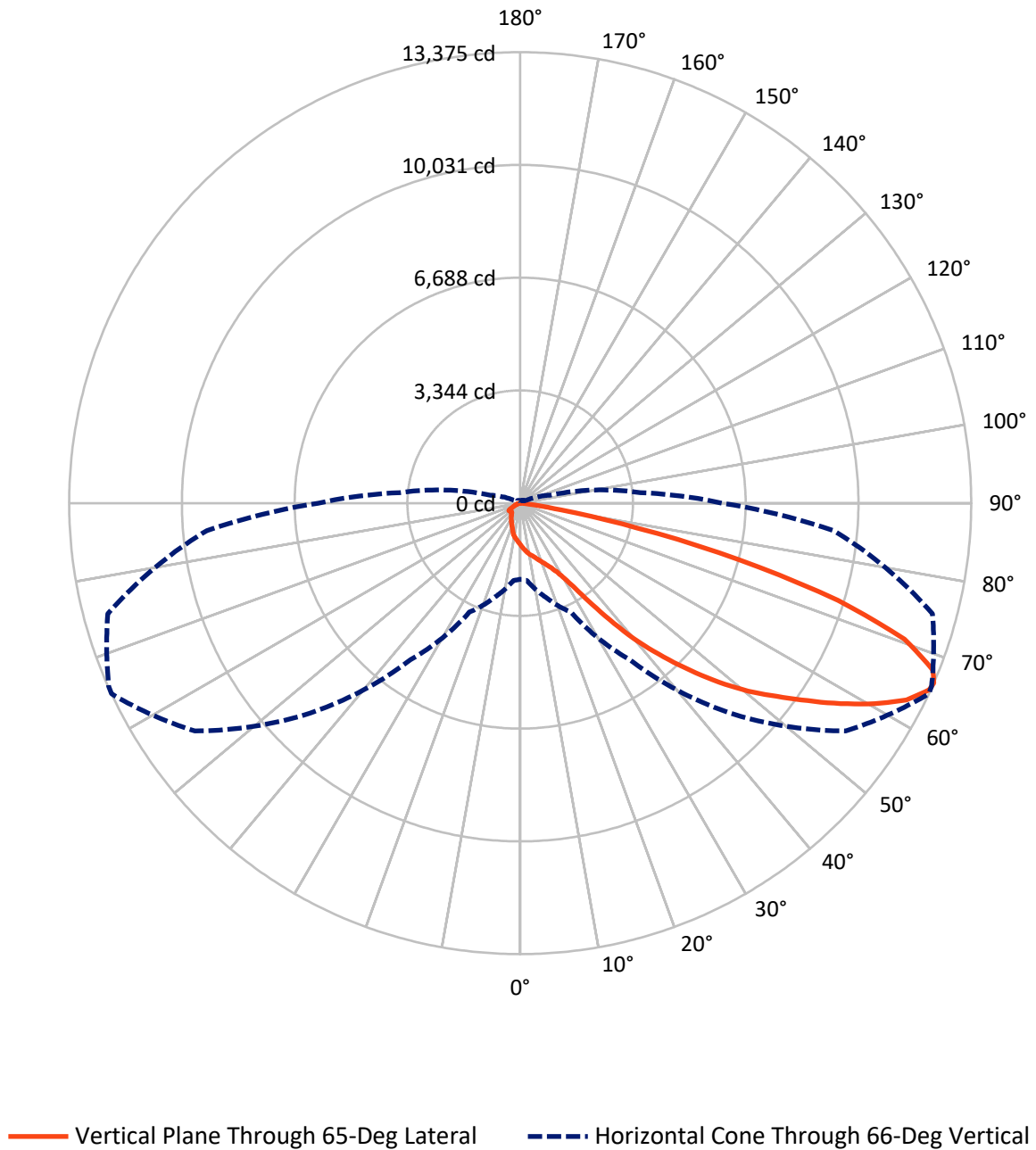
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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	1787.1	0.0	1787.1
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	13354.9	0.0	13354.9
	% Fixture	88.2	0.0	88.2
Total	Lumens	15142.0	0.0	15142.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.0	0.8
10°-20°	346.2	2.3
20°-30°	633.7	4.2
30°-40°	1287.6	8.5
40°-50°	2719.1	18.0
50°-60°	4180.1	27.6
60°-70°	4207.6	27.8
70°-80°	1572.2	10.4
80°-90°	78.5	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°	15142.0	100.0
0°-180°	15142.0	100.0

Coefficient of Utilization



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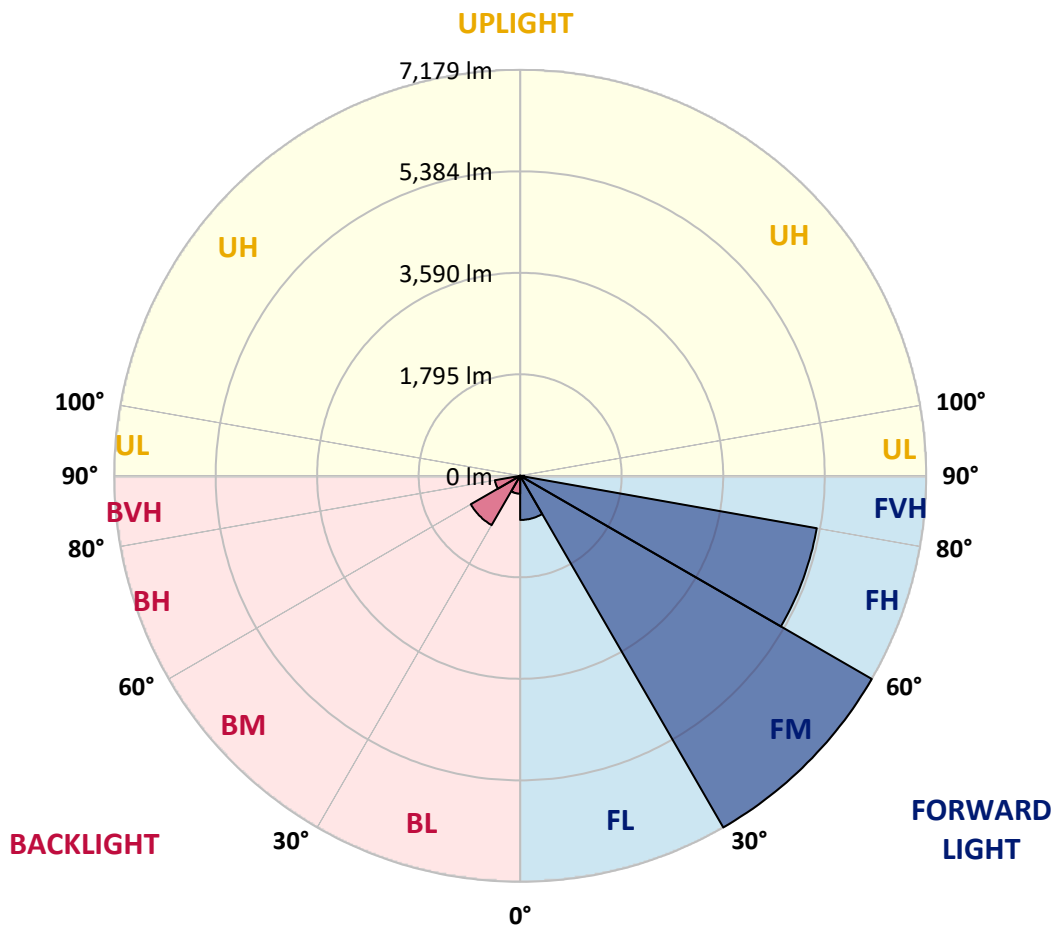
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	780.5	5.2			
FM	(30°-60°)	7179.3	47.4			
FH	(60°-80°)	5325.8	35.2			G3/7500
FVH	(80°-90°)	69.3	0.5			G1/100
BL	(0°-30°)	316.3	2.1	B1/500		
BM	(30°-60°)	1007.6	6.7	B2/2500		
BH	(60°-80°)	454.0	3.0	B1/500		G1/500
BVH	(80°-90°)	9.2	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1233.6	1233.6	1233.6	1233.6	1233.6	1233.6	1233.6	1233.6	1233.6	1233.6	1233.6
2.5°	1406.7	1409.5	1404.0	1393.0	1382.0	1368.3	1346.3	1310.6	1305.1	1280.4	1252.9
5°	1502.9	1508.4	1500.2	1497.4	1491.9	1472.7	1442.5	1390.3	1384.8	1335.3	1272.1
7.5°	1535.9	1544.1	1538.6	1538.6	1538.6	1530.4	1516.6	1469.9	1461.7	1398.5	1302.3
10°	1560.6	1566.1	1563.4	1574.3	1582.6	1577.1	1568.8	1541.4	1533.1	1469.9	1343.5
12.5°	1599.1	1601.8	1604.6	1610.1	1623.8	1629.3	1626.5	1601.8	1596.3	1552.4	1395.8
15°	1634.8	1634.8	1637.5	1662.3	1681.5	1692.5	1695.2	1676.0	1670.5	1634.8	1461.7
17.5°	1667.8	1670.5	1678.7	1706.2	1739.2	1761.2	1774.9	1766.7	1758.4	1731.0	1538.6
20°	1717.2	1722.7	1731.0	1769.4	1802.4	1838.1	1865.6	1862.8	1860.1	1840.9	1629.3
22.5°	1802.4	1807.9	1821.6	1857.3	1890.3	1934.3	1981.0	1978.2	1970.0	1956.3	1736.4
25°	1931.5	1931.5	1939.8	1970.0	2011.2	2063.4	2107.4	2115.6	2107.4	2099.1	1871.1
27.5°	2093.6	2096.4	2096.4	2129.3	2167.8	2233.8	2288.7	2296.9	2296.9	2288.7	2052.4
30°	2318.9	2310.7	2305.2	2332.7	2373.9	2470.0	2566.2	2582.7	2574.4	2588.2	2307.9
32.5°	2706.3	2692.6	2645.9	2651.4	2676.1	2808.0	2970.1	3027.8	3025.0	3049.8	2720.1
35°	3242.1	3214.6	3145.9	3088.2	3085.5	3228.4	3475.6	3692.7	3690.0	3775.1	3346.5
37.5°	3846.6	3882.3	3753.1	3654.2	3624.0	3736.7	4055.4	4525.2	4549.9	4698.3	4168.0
40°	4654.3	4676.3	4511.5	4371.3	4228.5	4269.7	4690.1	5420.9	5464.9	5629.7	4989.5
42.5°	5357.7	5379.7	5283.5	5113.2	4931.8	4854.9	5330.2	6234.2	6269.9	6497.9	5835.8
45°	5835.8	5852.3	5885.2	5901.7	5695.7	5536.3	6113.3	7069.4	7113.4	7377.2	6662.8
47.5°	6209.4	6223.2	6289.1	6454.0	6412.8	6286.4	6910.1	7937.7	7948.6	8242.6	7467.8
50°	6382.5	6415.5	6577.6	6830.4	7011.7	7047.4	7775.5	8759.2	8789.4	9069.6	8228.9
52.5°	6190.2	6201.2	6610.6	7085.9	7451.3	7814.0	8643.8	9520.2	9608.2	9817.0	8913.0
55°	5541.8	5621.5	6242.4	7077.7	7797.5	8542.1	9572.4	10341.8	10421.4	10553.3	9514.7
57.5°	4789.0	4876.9	5632.5	6723.2	7945.9	9215.3	10432.4	11215.5	11270.4	11306.1	10067.0
60°	4137.8	4220.2	4997.8	6044.6	7797.5	9690.6	11232.0	12083.7	12130.4	12034.2	10344.5
62.5°	3338.3	3420.7	4203.7	5146.1	7215.0	9786.7	11825.4	12855.8	12875.0	12614.0	10174.2
65°	2516.7	2571.7	3225.6	4033.4	6195.7	9275.7	11960.1	13336.6	13317.3	12781.6	9663.1
66°	2255.7	2302.4	2879.4	3566.3	5665.4	8808.6	11778.7	13375.0	13355.8	12657.9	9327.9
67.5°	1945.3	1959.0	2434.3	2917.9	4739.5	7816.8	11226.5	13199.2	13215.7	12317.2	8715.2
70°	1519.4	1516.6	1791.4	2030.4	3236.6	5561.0	9363.6	12091.9	12171.6	11031.4	7432.1
72.5°	972.6	939.7	1099.0	1241.9	1884.8	3228.4	6827.6	9855.4	9990.1	8665.8	5536.3
75°	579.7	546.8	585.2	620.9	903.9	1552.4	4014.2	6706.8	6835.9	5555.5	3294.3
77.5°	434.1	420.4	423.1	392.9	401.1	582.5	1832.6	3544.3	3637.7	2275.0	1250.1
80°	332.5	296.7	277.5	291.2	263.8	230.8	681.4	1219.9	1277.6	538.5	261.0
82.5°	222.6	192.3	178.6	195.1	167.6	129.1	164.9	236.3	230.8	145.6	101.7
85°	115.4	98.9	98.9	98.9	85.2	63.2	71.4	96.2	96.2	76.9	60.4
87.5°	33.0	30.2	35.7	33.0	24.7	24.7	27.5	33.0	33.0	30.2	27.5
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°	1233.6	1233.6	1233.6	1233.6	1233.6	1233.6	1233.6	1233.6	1233.6	1233.6	1233.6
2.5°	1230.9	1219.9	1189.7	1167.7	1145.7	1126.5	1104.5	1099.0	1088.0	1090.8	1085.3
5°	1239.1	1208.9	1156.7	1107.3	1068.8	1035.8	994.6	978.1	956.1	947.9	942.4
7.5°	1250.1	1206.2	1129.2	1060.6	994.6	928.7	862.7	824.3	799.5	788.5	780.3
10°	1274.9	1217.2	1115.5	1008.3	895.7	802.3	736.3	708.9	692.4	689.6	686.9
12.5°	1307.8	1233.6	1101.8	942.4	794.0	706.1	664.9	656.7	653.9	653.9	651.2
15°	1357.3	1261.1	1079.8	865.5	714.4	653.9	634.7	620.9	615.4	615.4	615.4
17.5°	1406.7	1294.1	1046.8	785.8	659.4	620.9	601.7	593.5	588.0	590.7	588.0
20°	1469.9	1332.6	1002.9	717.1	623.7	593.5	574.2	566.0	563.2	563.2	563.2
22.5°	1541.4	1376.5	947.9	664.9	593.5	566.0	546.8	538.5	533.0	535.8	535.8
25°	1637.5	1431.5	890.2	612.7	563.2	538.5	516.5	505.5	505.5	508.3	511.0
27.5°	1761.2	1497.4	832.5	579.7	535.8	511.0	486.3	475.3	478.1	483.6	483.6
30°	1942.5	1588.1	774.8	544.0	505.5	478.1	456.1	445.1	450.6	461.6	461.6
32.5°	2200.8	1736.4	725.4	502.8	461.6	431.4	409.4	401.1	414.9	436.9	436.9
35°	2662.4	2008.5	695.1	461.6	414.9	379.2	351.7	343.4	362.7	390.2	390.2
37.5°	3280.6	2445.3	706.1	425.9	376.4	335.2	305.0	294.0	307.7	332.5	340.7
40°	3970.2	2972.8	802.3	395.6	340.7	299.5	269.3	258.3	266.5	277.5	280.2
42.5°	4659.8	3533.3	983.6	373.7	313.2	269.3	241.8	233.5	239.0	241.8	244.5
45°	5346.7	4088.3	1211.7	359.9	288.5	244.5	217.1	217.1	219.8	219.8	219.8
47.5°	5997.9	4629.6	1450.7	357.2	266.5	219.8	197.8	200.6	200.6	203.3	203.3
50°	6613.3	5113.2	1692.5	365.4	247.3	197.8	181.3	181.3	181.3	184.1	181.3
52.5°	7127.1	5536.3	1945.3	379.2	228.0	181.3	164.9	164.9	164.9	167.6	164.9
55°	7613.4	5921.0	2203.5	398.4	211.6	167.6	151.1	145.6	145.6	148.4	145.6
57.5°	8009.1	6176.5	2448.1	401.1	197.8	153.9	140.1	131.9	131.9	131.9	131.9
60°	8025.6	6028.1	2519.5	351.7	181.3	140.1	126.4	115.4	118.1	118.1	118.1
62.5°	7500.8	5247.8	2024.9	263.8	162.1	126.4	115.4	104.4	104.4	104.4	104.4
65°	6470.5	4082.8	1186.9	208.8	140.1	112.6	101.7	93.4	93.4	93.4	90.7
66°	5986.9	3580.0	909.4	189.6	131.9	109.9	98.9	90.7	87.9	85.2	85.2
67.5°	5198.4	2830.0	568.7	167.6	120.9	101.7	90.7	82.4	79.7	76.9	76.9
70°	3915.2	1796.9	277.5	129.1	104.4	87.9	79.7	71.4	68.7	65.9	63.2
72.5°	2747.5	1052.3	145.6	98.9	85.2	76.9	68.7	60.4	57.7	55.0	55.0
75°	1552.4	508.3	96.2	71.4	68.7	63.2	57.7	49.5	46.7	46.7	46.7
77.5°	588.0	175.8	65.9	52.2	55.0	49.5	41.2	41.2	38.5	41.2	38.5
80°	153.9	76.9	41.2	38.5	41.2	35.7	30.2	33.0	33.0	33.0	33.0
82.5°	82.4	44.0	24.7	27.5	24.7	24.7	19.2	22.0	24.7	22.0	24.7
85°	57.7	22.0	13.7	13.7	11.0	11.0	8.2	11.0	13.7	11.0	11.0
87.5°	30.2	8.2	8.2	8.2	8.2	5.5	2.7	0.0	2.7	2.7	2.7
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)