

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: P1211190

Luminaire Tested: **ARCH4-200-722-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211190
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: ARCH4-200-722-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 800mA 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: 18799 lumens
Efficiency: N/A
Efficacy: 92.3 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

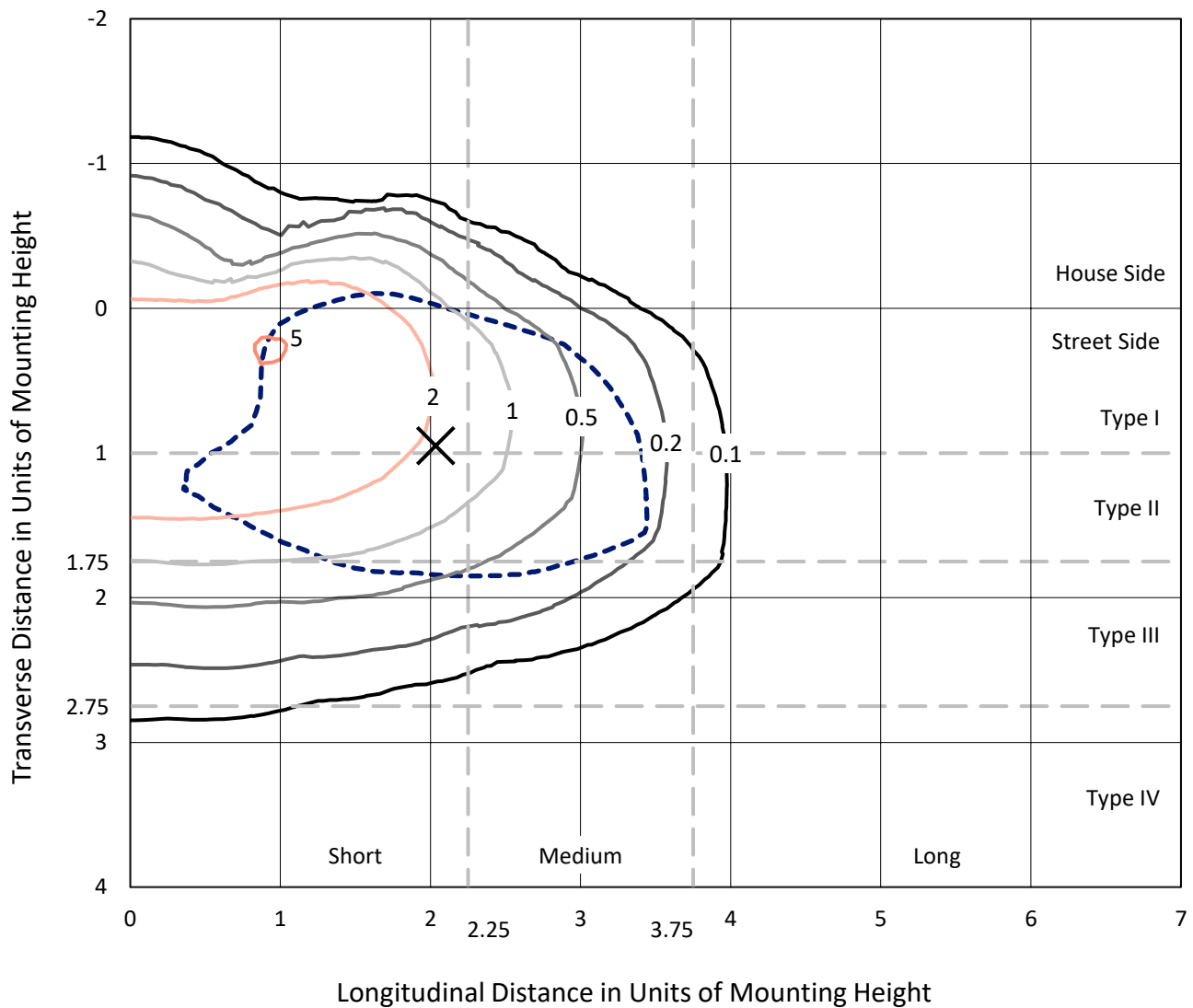
Input Watts (W): 203.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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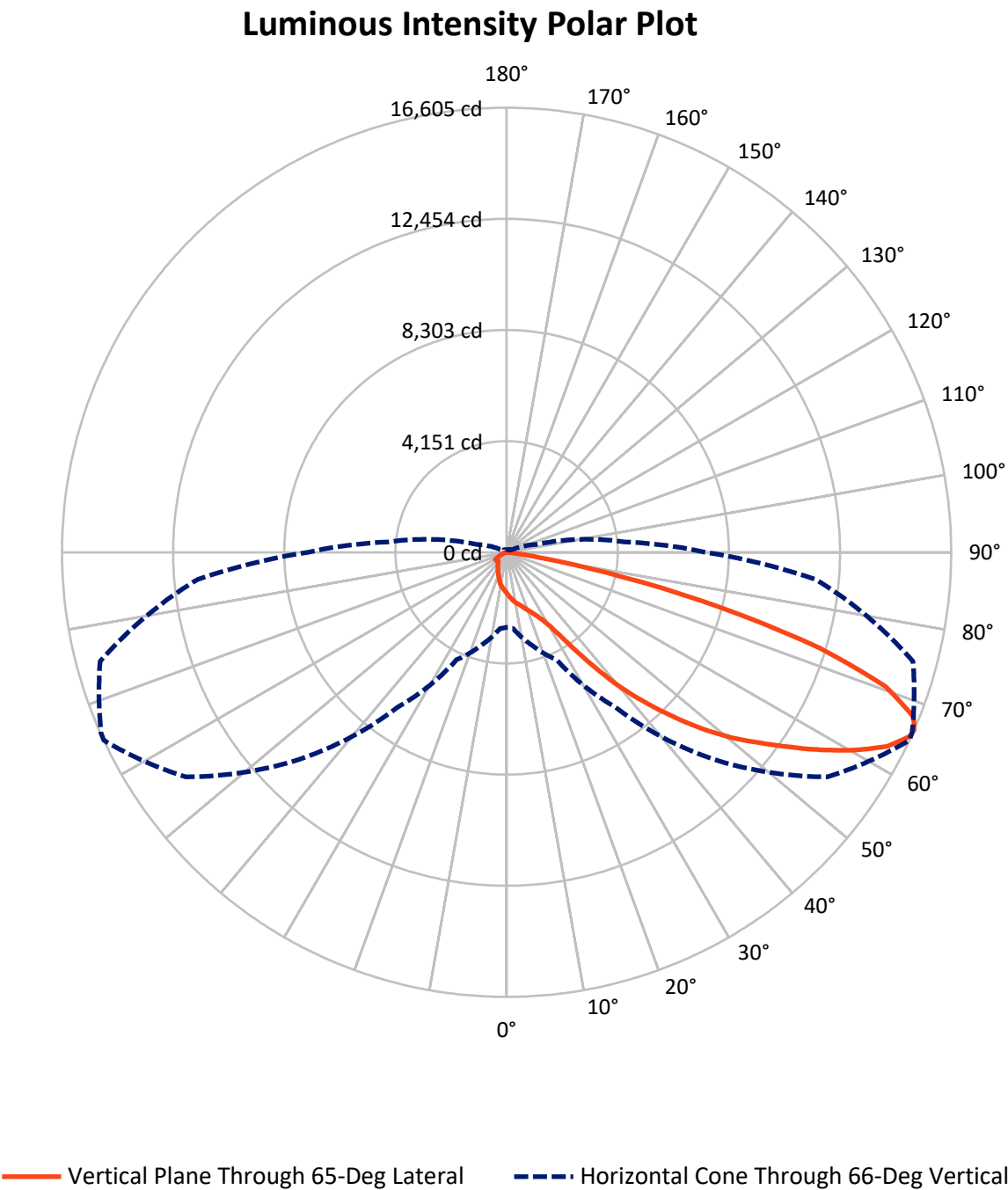
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2218.7	0.0	2218.7
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	16580.3	0.0	16580.3
	% Fixture	88.2	0.0	88.2
Total	Lumens	18799.0	0.0	18799.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.2	0.8
10°-20°	429.8	2.3
20°-30°	786.7	4.2
30°-40°	1598.6	8.5
40°-50°	3375.8	18.0
50°-60°	5189.7	27.6
60°-70°	5223.8	27.8
70°-80°	1951.9	10.4
80°-90°	97.5	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°	18799.0	100.0
0°-180°	18799.0	100.0

Coefficient of Utilization



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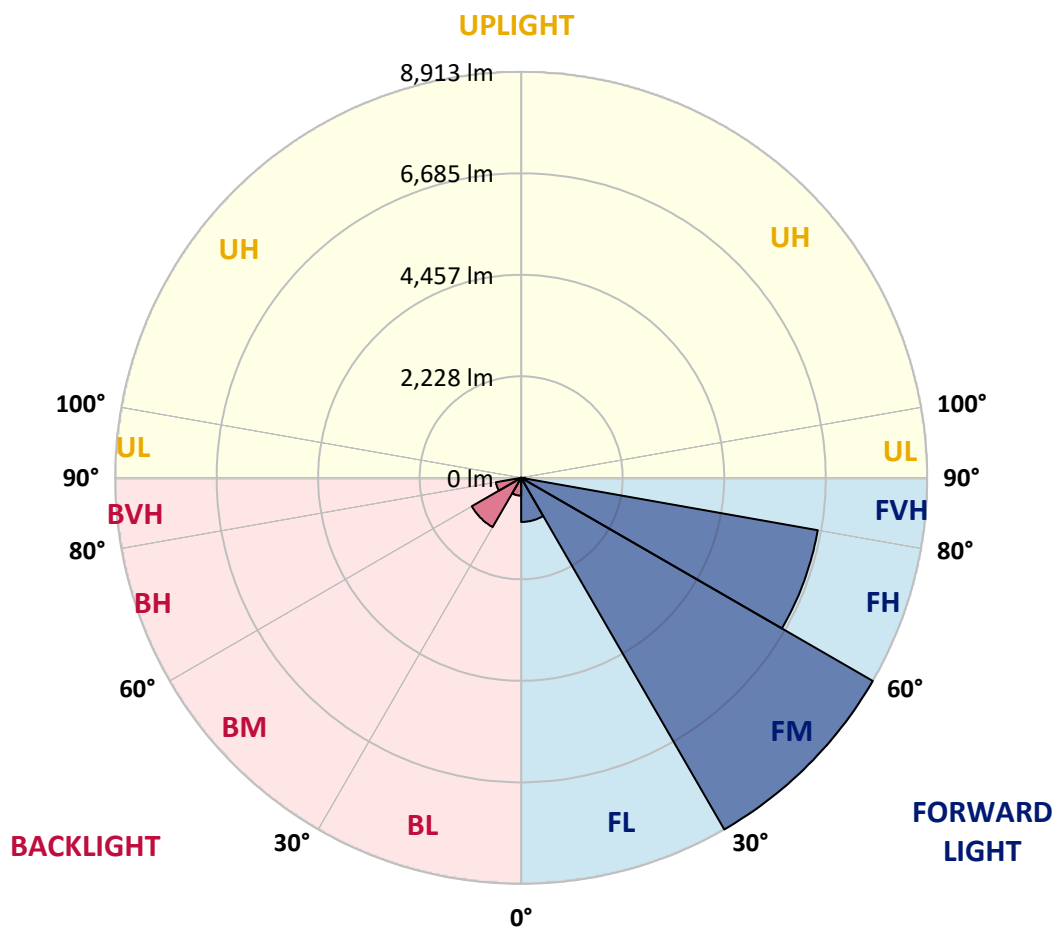
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	969.1	5.2			
FM	(30°-60°)	8913.2	47.4			
FH	(60°-80°)	6612.1	35.2			G3/7500
FVH	(80°-90°)	86.0	0.5			G1/100
BL	(0°-30°)	392.7	2.1	B1/500		
BM	(30°-60°)	1250.9	6.7	B2/2500		
BH	(60°-80°)	563.6	3.0	B2/1000		G2/1000
BVH	(80°-90°)	11.5	0.1			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1531.6	1531.6	1531.6	1531.6	1531.6	1531.6	1531.6	1531.6	1531.6	1531.6	1531.6
2.5°	1746.5	1749.9	1743.1	1729.4	1715.8	1698.7	1671.4	1627.1	1620.3	1589.6	1555.5
5°	1865.9	1872.7	1862.5	1859.1	1852.2	1828.4	1790.8	1726.0	1719.2	1657.8	1579.3
7.5°	1906.8	1917.0	1910.2	1910.2	1910.2	1900.0	1882.9	1824.9	1814.7	1736.3	1616.9
10°	1937.5	1944.3	1940.9	1954.6	1964.8	1958.0	1947.7	1913.6	1903.4	1824.9	1668.0
12.5°	1985.3	1988.7	1992.1	1998.9	2016.0	2022.8	2019.4	1988.7	1981.9	1927.3	1732.8
15°	2029.6	2029.6	2033.0	2063.7	2087.6	2101.2	2104.7	2080.8	2074.0	2029.6	1814.7
17.5°	2070.5	2074.0	2084.2	2118.3	2159.2	2186.5	2203.6	2193.3	2183.1	2149.0	1910.2
20°	2131.9	2138.8	2149.0	2196.8	2237.7	2282.0	2316.1	2312.7	2309.3	2285.4	2022.8
22.5°	2237.7	2244.5	2261.6	2305.9	2346.8	2401.4	2459.4	2456.0	2445.8	2428.7	2155.8
25°	2398.0	2398.0	2408.2	2445.8	2496.9	2561.7	2616.3	2626.6	2616.3	2606.1	2323.0
27.5°	2599.3	2602.7	2602.7	2643.6	2691.4	2773.2	2841.5	2851.7	2851.7	2841.5	2548.1
30°	2879.0	2868.7	2861.9	2896.0	2947.2	3066.6	3186.0	3206.4	3196.2	3213.3	2865.3
32.5°	3359.9	3342.9	3284.9	3291.7	3322.4	3486.2	3687.4	3759.0	3755.6	3786.3	3377.0
35°	4025.1	3991.0	3905.7	3834.1	3830.7	4008.1	4315.1	4584.5	4581.1	4686.9	4154.7
37.5°	4775.6	4819.9	4659.6	4536.8	4499.3	4639.1	5034.8	5618.1	5648.8	5833.0	5174.7
40°	5778.4	5805.7	5601.0	5427.1	5249.7	5300.9	5822.8	6730.1	6784.7	6989.4	6194.6
42.5°	6651.7	6679.0	6559.6	6348.1	6122.9	6027.4	6617.6	7739.8	7784.2	8067.3	7245.2
45°	7245.2	7265.7	7306.6	7327.1	7071.2	6873.4	7589.7	8776.8	8831.4	9158.8	8271.9
47.5°	7709.1	7726.2	7808.0	8012.7	7961.5	7804.6	8578.9	9854.7	9868.3	10233.3	9271.4
50°	7924.0	7964.9	8166.2	8480.0	8705.2	8749.5	9653.4	10874.6	10912.1	11260.1	10216.3
52.5°	7685.2	7698.9	8207.1	8797.3	9250.9	9701.2	10731.4	11819.5	11928.7	12187.9	11065.6
55°	6880.2	6979.1	7750.0	8787.0	9680.7	10605.1	11884.3	12839.4	12938.4	13102.1	11812.7
57.5°	5945.6	6054.7	6992.8	8347.0	9864.9	11440.9	12952.0	13924.2	13992.4	14036.7	12498.3
60°	5137.1	5239.5	6204.8	7504.4	9680.7	12031.0	13944.6	15002.1	15060.1	14940.7	12842.8
62.5°	4144.5	4246.8	5219.0	6389.0	8957.6	12150.4	14681.4	15960.6	15984.5	15660.4	12631.4
65°	3124.6	3192.8	4004.6	5007.5	7692.1	11515.9	14848.6	16557.5	16533.7	15868.5	11996.9
66°	2800.5	2858.5	3574.8	4427.6	7033.7	10936.0	14623.4	16605.3	16581.4	15715.0	11580.7
67.5°	2415.1	2432.1	3022.2	3622.6	5884.2	9704.6	13937.8	16387.0	16407.5	15292.0	10820.0
70°	1886.3	1882.9	2224.0	2520.8	4018.3	6904.1	11625.1	15012.3	15111.2	13695.6	9227.1
72.5°	1207.5	1166.6	1364.4	1541.8	2340.0	4008.1	8476.6	12235.7	12402.8	10758.6	6873.4
75°	719.7	678.8	726.6	770.9	1122.3	1927.3	4983.6	8326.5	8486.8	6897.3	4089.9
77.5°	539.0	521.9	525.3	487.8	498.0	723.2	2275.2	4400.3	4516.3	2824.4	1552.1
80°	412.7	368.4	344.5	361.6	327.5	286.5	846.0	1514.5	1586.2	668.6	324.1
82.5°	276.3	238.8	221.7	242.2	208.1	160.3	204.7	293.4	286.5	180.8	126.2
85°	143.3	122.8	122.8	122.8	105.7	78.5	88.7	119.4	119.4	95.5	75.0
87.5°	40.9	37.5	44.3	40.9	30.7	30.7	34.1	40.9	40.9	37.5	34.1
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°	1531.6	1531.6	1531.6	1531.6	1531.6	1531.6	1531.6	1531.6	1531.6	1531.6	1531.6
2.5°	1528.2	1514.5	1477.0	1449.7	1422.4	1398.6	1371.3	1364.4	1350.8	1354.2	1347.4
5°	1538.4	1500.9	1436.1	1374.7	1326.9	1286.0	1234.8	1214.4	1187.1	1176.8	1170.0
7.5°	1552.1	1497.5	1402.0	1316.7	1234.8	1153.0	1071.1	1023.3	992.6	979.0	968.8
10°	1582.8	1511.1	1384.9	1251.9	1112.0	996.0	914.2	880.1	859.6	856.2	852.8
12.5°	1623.7	1531.6	1367.9	1170.0	985.8	876.7	825.5	815.3	811.8	811.8	808.4
15°	1685.1	1565.7	1340.6	1074.5	886.9	811.8	788.0	770.9	764.1	764.1	764.1
17.5°	1746.5	1606.6	1299.6	975.6	818.7	770.9	747.0	736.8	730.0	733.4	730.0
20°	1824.9	1654.4	1245.1	890.3	774.3	736.8	712.9	702.7	699.3	699.3	699.3
22.5°	1913.6	1709.0	1176.8	825.5	736.8	702.7	678.8	668.6	661.8	665.2	665.2
25°	2033.0	1777.2	1105.2	760.7	699.3	668.6	641.3	627.6	627.6	631.1	634.5
27.5°	2186.5	1859.1	1033.6	719.7	665.2	634.5	603.8	590.1	593.5	600.4	600.4
30°	2411.7	1971.6	961.9	675.4	627.6	593.5	566.2	552.6	559.4	573.1	573.1
32.5°	2732.3	2155.8	900.5	624.2	573.1	535.5	508.3	498.0	515.1	542.4	542.4
35°	3305.4	2493.5	863.0	573.1	515.1	470.7	436.6	426.4	450.3	484.4	484.4
37.5°	4072.9	3035.9	876.7	528.7	467.3	416.2	378.6	365.0	382.0	412.7	423.0
40°	4929.1	3690.8	996.0	491.2	423.0	371.8	334.3	320.6	330.9	344.5	347.9
42.5°	5785.2	4386.7	1221.2	463.9	388.9	334.3	300.2	289.9	296.8	300.2	303.6
45°	6638.0	5075.7	1504.3	446.9	358.2	303.6	269.5	269.5	272.9	272.9	272.9
47.5°	7446.5	5747.7	1801.1	443.4	330.9	272.9	245.6	249.0	249.0	252.4	252.4
50°	8210.5	6348.1	2101.2	453.7	307.0	245.6	225.1	225.1	225.1	228.5	225.1
52.5°	8848.4	6873.4	2415.1	470.7	283.1	225.1	204.7	204.7	204.7	208.1	204.7
55°	9452.2	7350.9	2735.7	494.6	262.7	208.1	187.6	180.8	180.8	184.2	180.8
57.5°	9943.4	7668.2	3039.3	498.0	245.6	191.0	174.0	163.7	163.7	163.7	163.7
60°	9963.9	7484.0	3128.0	436.6	225.1	174.0	156.9	143.3	146.7	146.7	146.7
62.5°	9312.3	6515.2	2514.0	327.5	201.3	156.9	143.3	129.6	129.6	129.6	129.6
65°	8033.2	5068.9	1473.6	259.2	174.0	139.9	126.2	116.0	116.0	116.0	112.6
66°	7432.8	4444.7	1129.1	235.4	163.7	136.4	122.8	112.6	109.2	105.7	105.7
67.5°	6453.8	3513.4	706.1	208.1	150.1	126.2	112.6	102.3	98.9	95.5	95.5
70°	4860.8	2230.9	344.5	160.3	129.6	109.2	98.9	88.7	85.3	81.9	78.5
72.5°	3411.1	1306.5	180.8	122.8	105.7	95.5	85.3	75.0	71.6	68.2	68.2
75°	1927.3	631.1	119.4	88.7	85.3	78.5	71.6	61.4	58.0	58.0	58.0
77.5°	730.0	218.3	81.9	64.8	68.2	61.4	51.2	51.2	47.8	51.2	47.8
80°	191.0	95.5	51.2	47.8	51.2	44.3	37.5	40.9	40.9	40.9	40.9
82.5°	102.3	54.6	30.7	34.1	30.7	30.7	23.9	27.3	30.7	27.3	30.7
85°	71.6	27.3	17.1	17.1	13.6	13.6	10.2	13.6	17.1	13.6	13.6
87.5°	37.5	10.2	10.2	10.2	10.2	6.8	3.4	0.0	3.4	3.4	3.4
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)