

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: P1211614

Luminaire Tested: **ARCH4-60-730-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211614
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: ARCH4-60-730-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 520mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

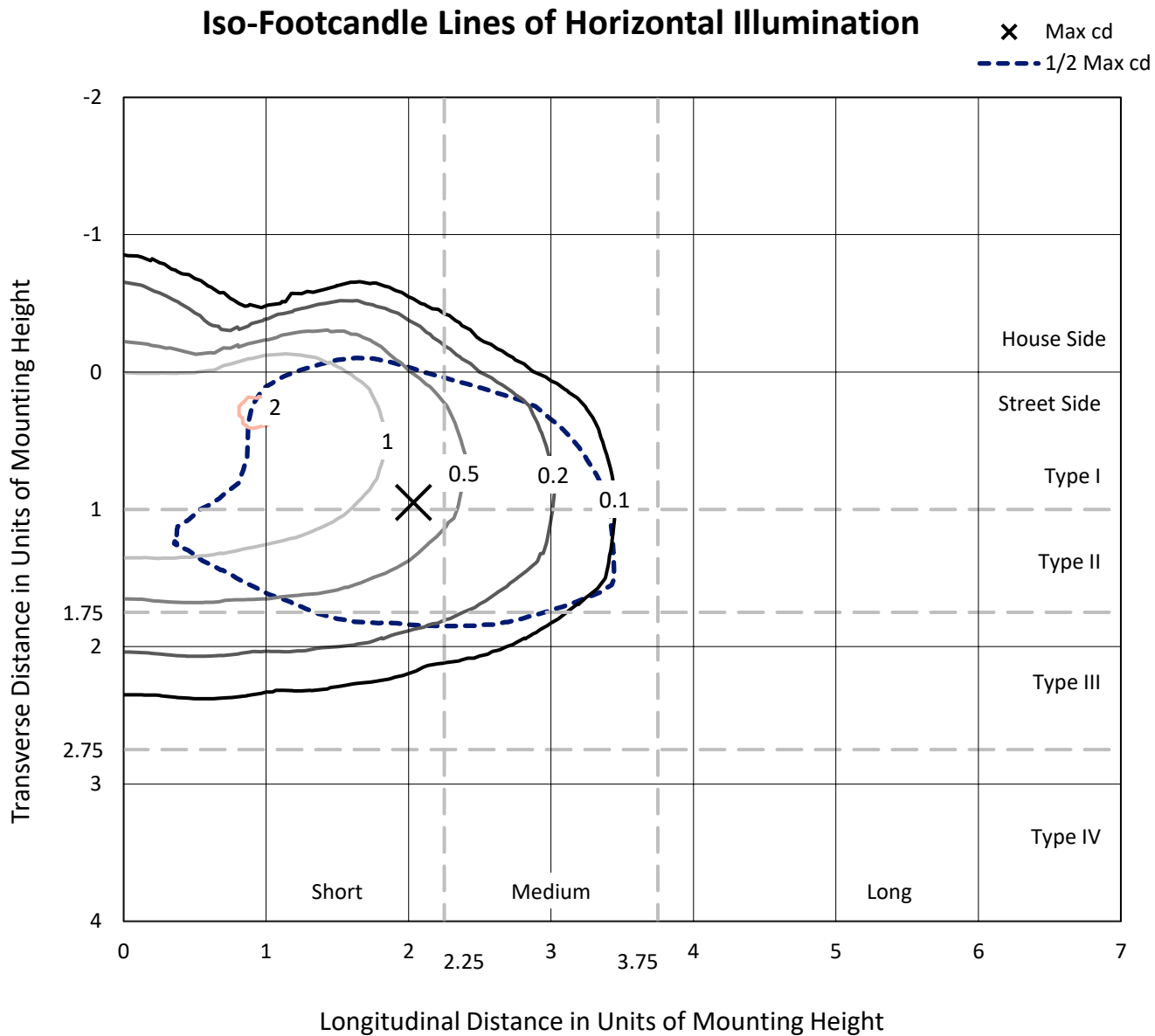
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7615 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 63
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



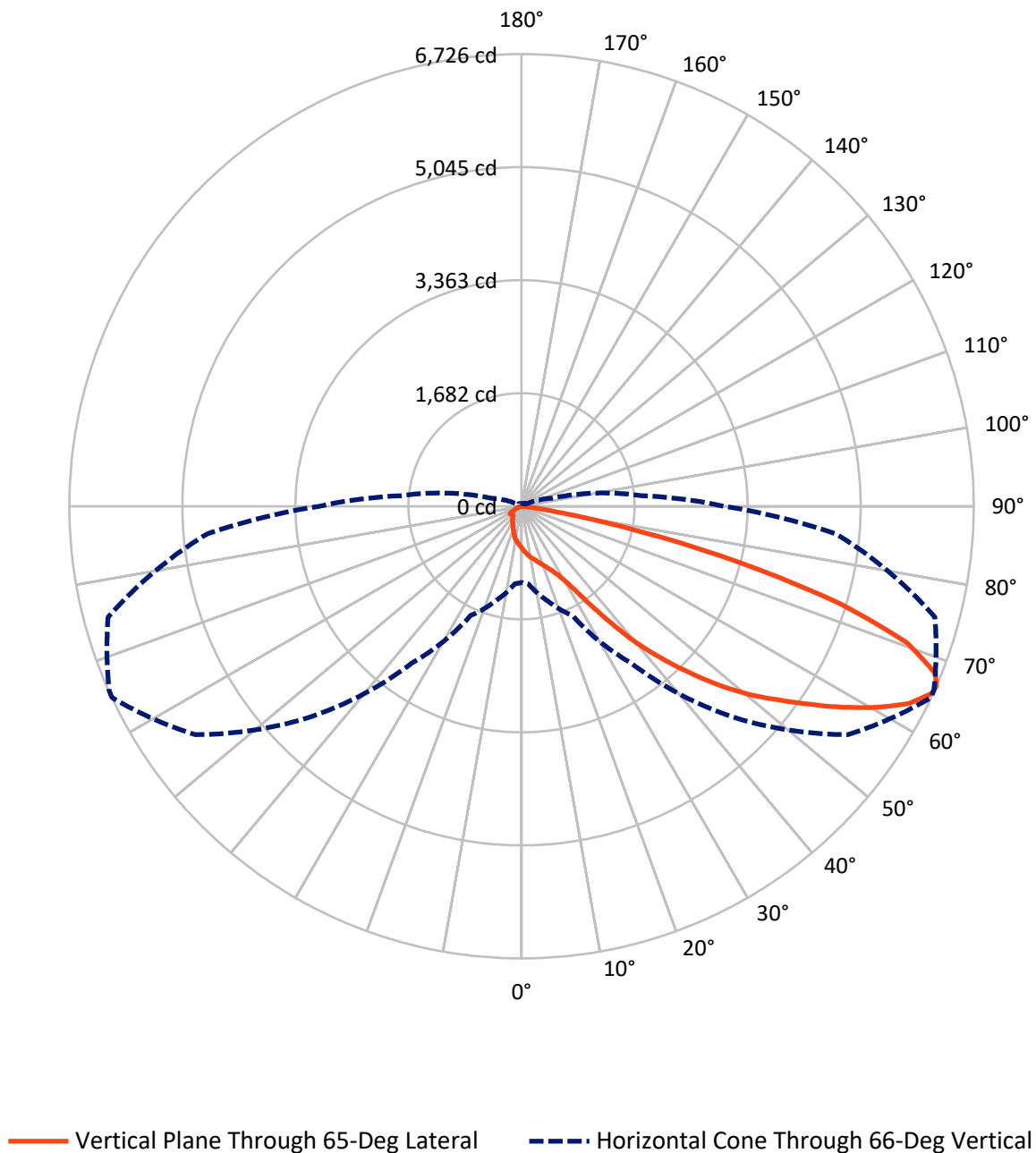
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Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	898.7	0.0	898.7
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	6716.3	0.0	6716.3
	% Fixture	88.2	0.0	88.2
Total	Lumens	7615.0	0.0	7615.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.8	0.8
10°-20°	174.1	2.3
20°-30°	318.7	4.2
30°-40°	647.5	8.5
40°-50°	1367.4	18.0
50°-60°	2102.2	27.6
60°-70°	2116.0	27.8
70°-80°	790.7	10.4
80°-90°	39.5	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°	7615.0	100.0
0°-180°	7615.0	100.0

Coefficient of Utilization



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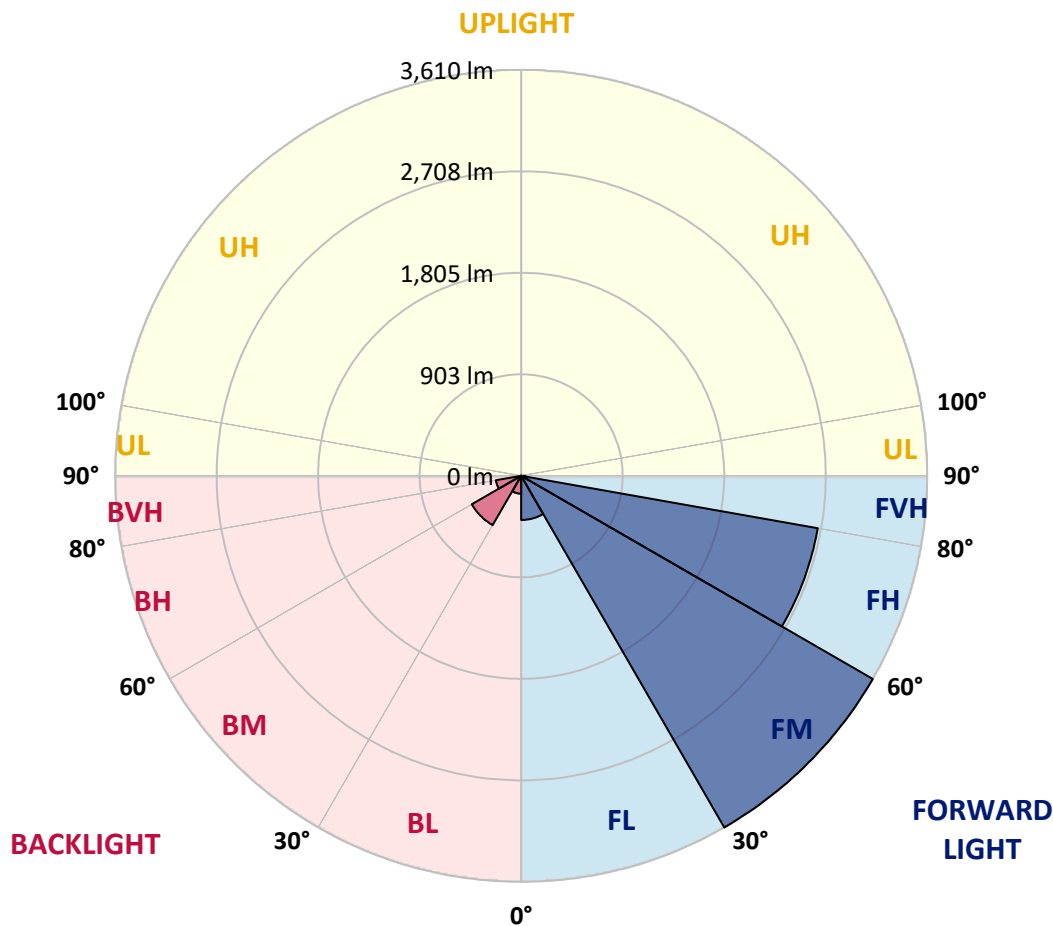
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	392.5	5.2			
FM	(30°-60°)	3610.5	47.4			
FH	(60°-80°)	2678.4	35.2			G2/5000
FVH	(80°-90°)	34.8	0.5			G1/100
BL	(0°-30°)	159.1	2.1	B1/500		
BM	(30°-60°)	506.7	6.7	B1/1000		
BH	(60°-80°)	228.3	3.0	B1/500		G1/500
BVH	(80°-90°)	4.6	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°	620.4	620.4	620.4	620.4	620.4	620.4	620.4	620.4	620.4	620.4	620.4
2.5°	707.5	708.8	706.1	700.6	695.0	688.1	677.1	659.1	656.3	643.9	630.1
5°	755.8	758.6	754.4	753.1	750.3	740.6	725.4	699.2	696.4	671.5	639.8
7.5°	772.4	776.5	773.8	773.8	773.8	769.6	762.7	739.2	735.1	703.3	655.0
10°	784.8	787.6	786.2	791.7	795.9	793.1	789.0	775.2	771.0	739.2	675.7
12.5°	804.2	805.6	806.9	809.7	816.6	819.4	818.0	805.6	802.8	780.7	701.9
15°	822.1	822.1	823.5	836.0	845.6	851.2	852.5	842.9	840.1	822.1	735.1
17.5°	838.7	840.1	844.3	858.1	874.7	885.7	892.6	888.5	884.3	870.5	773.8
20°	863.6	866.4	870.5	889.9	906.4	924.4	938.2	936.8	935.4	925.8	819.4
22.5°	906.4	909.2	916.1	934.1	950.6	972.8	996.2	994.9	990.7	983.8	873.3
25°	971.4	971.4	975.5	990.7	1011.4	1037.7	1059.8	1064.0	1059.8	1055.7	941.0
27.5°	1052.9	1054.3	1054.3	1070.9	1090.2	1123.4	1151.0	1155.1	1155.1	1151.0	1032.2
30°	1166.2	1162.1	1159.3	1173.1	1193.8	1242.2	1290.6	1298.9	1294.7	1301.6	1160.7
32.5°	1361.0	1354.1	1330.6	1333.4	1345.8	1412.2	1493.7	1522.7	1521.3	1533.7	1367.9
35°	1630.5	1616.7	1582.1	1553.1	1551.7	1623.6	1747.9	1857.1	1855.7	1898.5	1683.0
37.5°	1934.5	1952.4	1887.5	1837.7	1822.5	1879.2	2039.5	2275.8	2288.2	2362.8	2096.1
40°	2340.7	2351.7	2268.8	2198.4	2126.5	2147.2	2358.7	2726.2	2748.3	2831.2	2509.3
42.5°	2694.4	2705.5	2657.1	2571.4	2480.3	2441.6	2680.6	3135.2	3153.2	3267.9	2934.8
45°	2934.8	2943.1	2959.7	2968.0	2864.4	2784.2	3074.4	3555.3	3577.4	3710.0	3350.8
47.5°	3122.8	3129.7	3162.8	3245.7	3225.0	3161.5	3475.1	3991.9	3997.4	4145.3	3755.6
50°	3209.8	3226.4	3307.9	3435.0	3526.2	3544.2	3910.4	4405.0	4420.2	4561.2	4138.4
52.5°	3113.1	3118.6	3324.5	3563.5	3747.3	3929.7	4347.0	4787.8	4832.0	4937.0	4482.4
55°	2787.0	2827.1	3139.3	3559.4	3921.4	4295.9	4814.0	5200.9	5241.0	5307.3	4785.0
57.5°	2408.4	2452.6	2832.6	3381.2	3996.0	4634.4	5246.5	5640.3	5668.0	5685.9	5062.8
60°	2080.9	2122.4	2513.4	3039.9	3921.4	4873.5	5648.6	6077.0	6100.5	6052.1	5202.3
62.5°	1678.8	1720.3	2114.1	2588.0	3628.5	4921.8	5947.1	6465.2	6474.9	6343.6	5116.6
65°	1265.7	1293.3	1622.2	2028.4	3115.9	4664.8	6014.8	6707.0	6697.4	6427.9	4859.6
66°	1134.4	1157.9	1448.1	1793.5	2849.2	4429.9	5923.6	6726.4	6716.7	6365.7	4691.1
67.5°	978.3	985.2	1224.2	1467.4	2383.5	3931.1	5645.9	6638.0	6646.2	6194.4	4382.9
70°	764.1	762.7	900.9	1021.1	1627.7	2796.7	4709.0	6081.1	6121.2	5547.7	3737.6
72.5°	489.1	472.6	552.7	624.6	947.9	1623.6	3433.7	4956.4	5024.1	4358.1	2784.2
75°	291.6	275.0	294.3	312.3	454.6	780.7	2018.7	3372.9	3437.8	2793.9	1656.7
77.5°	218.3	211.4	212.8	197.6	201.7	292.9	921.6	1782.5	1829.4	1144.1	628.7
80°	167.2	149.2	139.6	146.5	132.6	116.1	342.7	613.5	642.5	270.8	131.3
82.5°	111.9	96.7	89.8	98.1	84.3	64.9	82.9	118.8	116.1	73.2	51.1
85°	58.0	49.7	49.7	49.7	42.8	31.8	35.9	48.4	48.4	38.7	30.4
87.5°	16.6	15.2	18.0	16.6	12.4	12.4	13.8	16.6	16.6	15.2	13.8
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°	620.4	620.4	620.4	620.4	620.4	620.4	620.4	620.4	620.4	620.4	620.4
2.5°	619.0	613.5	598.3	587.2	576.2	566.5	555.5	552.7	547.2	548.6	545.8
5°	623.2	608.0	581.7	556.8	537.5	520.9	500.2	491.9	480.9	476.7	473.9
7.5°	628.7	606.6	567.9	533.4	500.2	467.0	433.9	414.5	402.1	396.6	392.4
10°	641.1	612.1	561.0	507.1	450.5	403.5	370.3	356.5	348.2	346.8	345.4
12.5°	657.7	620.4	554.1	473.9	399.3	355.1	334.4	330.2	328.9	328.9	327.5
15°	682.6	634.2	543.0	435.3	359.3	328.9	319.2	312.3	309.5	309.5	309.5
17.5°	707.5	650.8	526.4	395.2	331.6	312.3	302.6	298.5	295.7	297.1	295.7
20°	739.2	670.2	504.3	360.6	313.7	298.5	288.8	284.6	283.3	283.3	283.3
22.5°	775.2	692.3	476.7	334.4	298.5	284.6	275.0	270.8	268.1	269.4	269.4
25°	823.5	719.9	447.7	308.1	283.3	270.8	259.8	254.2	254.2	255.6	257.0
27.5°	885.7	753.1	418.7	291.6	269.4	257.0	244.6	239.0	240.4	243.2	243.2
30°	976.9	798.7	389.7	273.6	254.2	240.4	229.4	223.8	226.6	232.1	232.1
32.5°	1106.8	873.3	364.8	252.9	232.1	216.9	205.9	201.7	208.6	219.7	219.7
35°	1338.9	1010.1	349.6	232.1	208.6	190.7	176.9	172.7	182.4	196.2	196.2
37.5°	1649.8	1229.8	355.1	214.2	189.3	168.6	153.4	147.8	154.8	167.2	171.3
40°	1996.6	1495.1	403.5	199.0	171.3	150.6	135.4	129.9	134.0	139.6	140.9
42.5°	2343.5	1776.9	494.7	187.9	157.5	135.4	121.6	117.4	120.2	121.6	123.0
45°	2688.9	2056.1	609.4	181.0	145.1	123.0	109.2	109.2	110.5	110.5	110.5
47.5°	3016.4	2328.3	729.6	179.6	134.0	110.5	99.5	100.9	100.9	102.2	102.2
50°	3325.9	2571.4	851.2	183.8	124.4	99.5	91.2	91.2	91.2	92.6	91.2
52.5°	3584.3	2784.2	978.3	190.7	114.7	91.2	82.9	82.9	82.9	84.3	82.9
55°	3828.8	2977.7	1108.2	200.4	106.4	84.3	76.0	73.2	73.2	74.6	73.2
57.5°	4027.8	3106.2	1231.1	201.7	99.5	77.4	70.5	66.3	66.3	66.3	66.3
60°	4036.1	3031.6	1267.1	176.9	91.2	70.5	63.6	58.0	59.4	59.4	59.4
62.5°	3772.2	2639.2	1018.4	132.6	81.5	63.6	58.0	52.5	52.5	52.5	52.5
65°	3254.0	2053.3	596.9	105.0	70.5	56.7	51.1	47.0	47.0	47.0	45.6
66°	3010.8	1800.4	457.4	95.3	66.3	55.3	49.7	45.6	44.2	42.8	42.8
67.5°	2614.3	1423.2	286.0	84.3	60.8	51.1	45.6	41.5	40.1	38.7	38.7
70°	1969.0	903.7	139.6	64.9	52.5	44.2	40.1	35.9	34.5	33.2	31.8
72.5°	1381.8	529.2	73.2	49.7	42.8	38.7	34.5	30.4	29.0	27.6	27.6
75°	780.7	255.6	48.4	35.9	34.5	31.8	29.0	24.9	23.5	23.5	23.5
77.5°	295.7	88.4	33.2	26.3	27.6	24.9	20.7	20.7	19.3	20.7	19.3
80°	77.4	38.7	20.7	19.3	20.7	18.0	15.2	16.6	16.6	16.6	16.6
82.5°	41.5	22.1	12.4	13.8	12.4	12.4	9.7	11.1	12.4	11.1	12.4
85°	29.0	11.1	6.9	6.9	5.5	5.5	4.1	5.5	6.9	5.5	5.5
87.5°	15.2	4.1	4.1	4.1	4.1	2.8	1.4	0.0	1.4	1.4	1.4
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)