

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: P450934

Luminaire Tested: **GLAN-SA1D-730-U-T2R-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450934
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1D-730-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5707 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 65
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

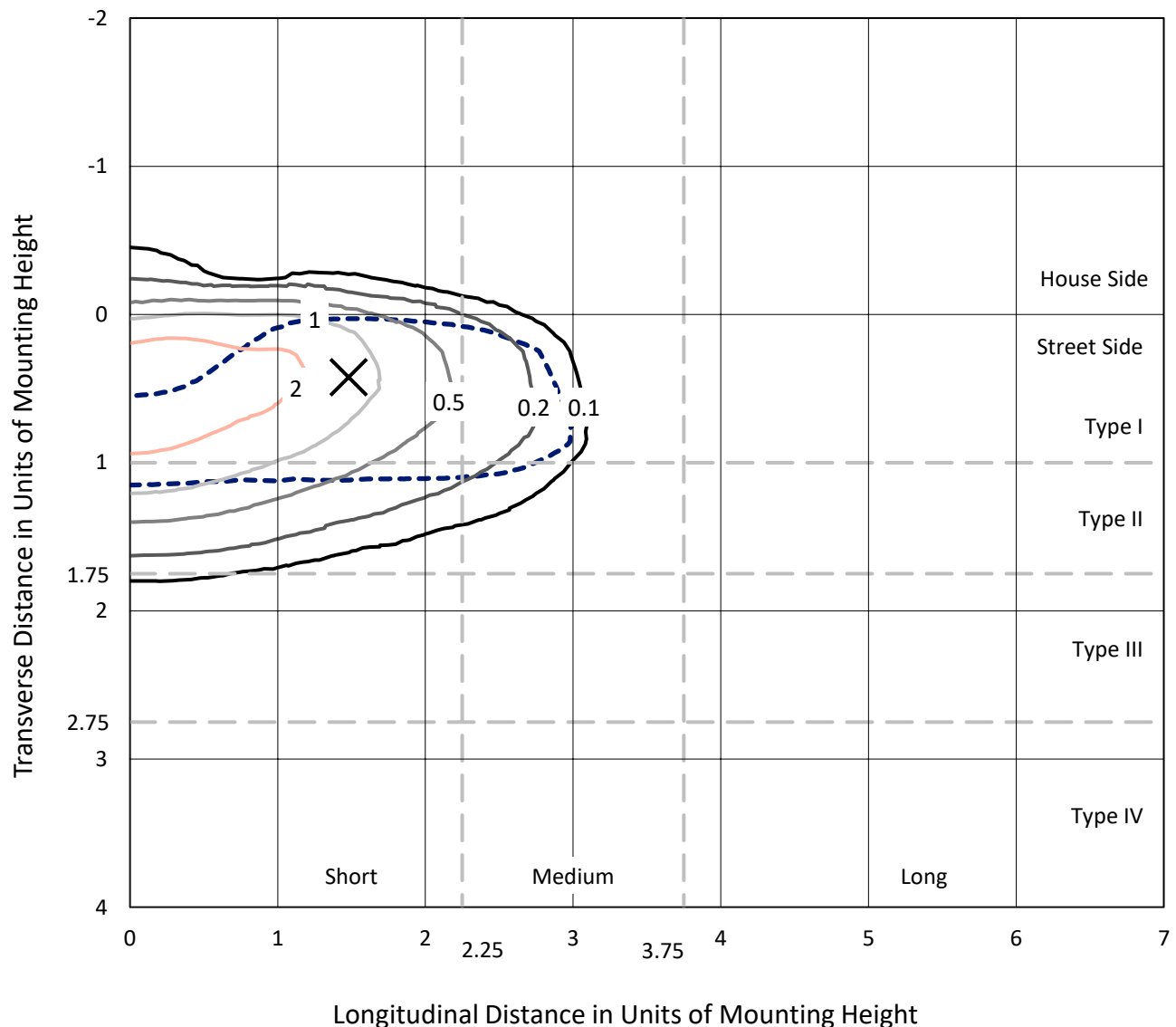


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Iso-Footcandle Lines of Horizontal Illumination

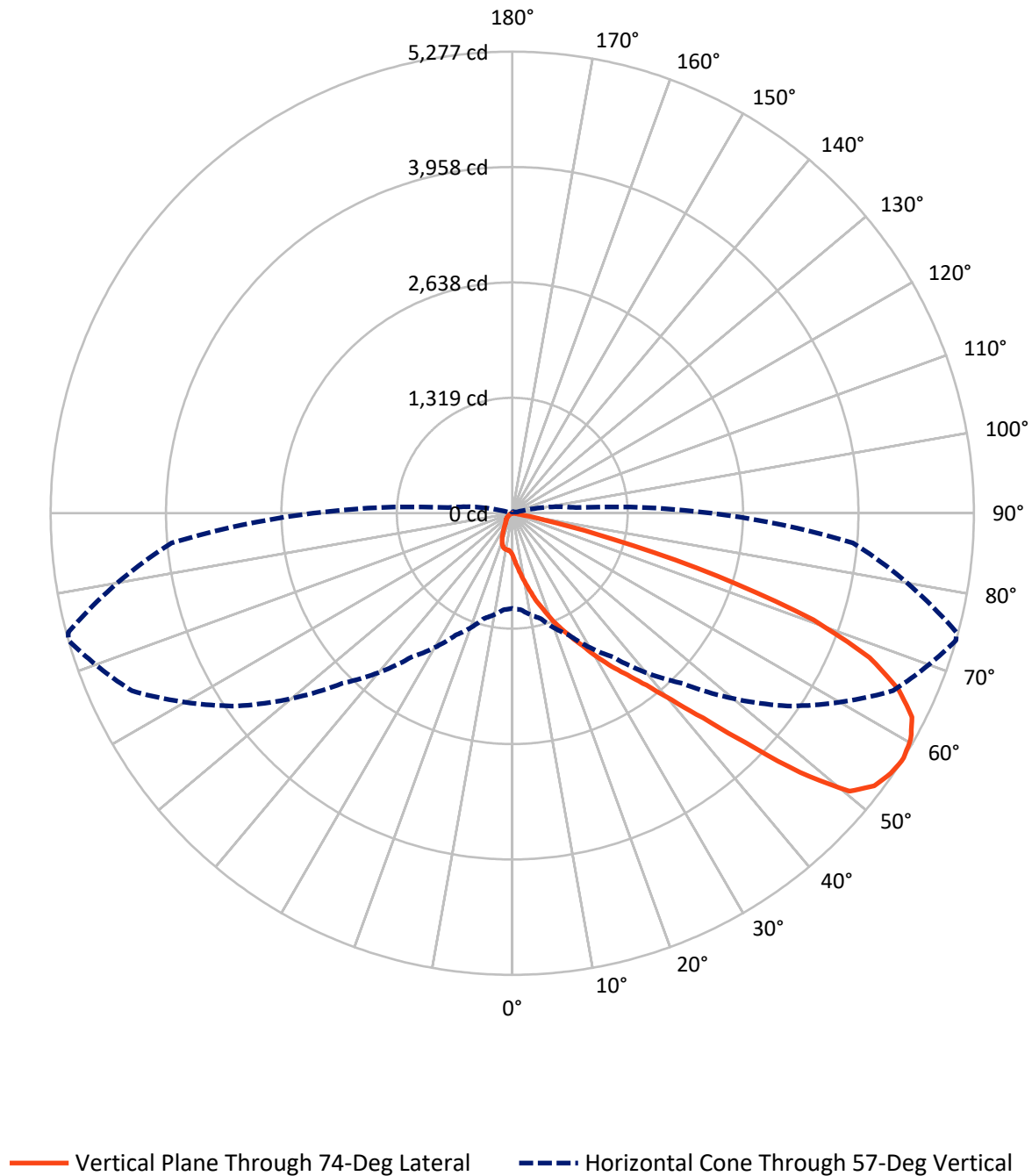
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	329.2	0.0	329.2
	% Fixture	5.8	0.0	5.8
Street Side	Lumens	5377.8	0.0	5377.8
	% Fixture	94.2	0.0	94.2
Total	Lumens	5707.0	0.0	5707.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.7	1.0
10°-20°	227.4	4.0
20°-30°	486.6	8.5
30°-40°	894.3	15.7
40°-50°	1371.0	24.0
50°-60°	1450.3	25.4
60°-70°	947.1	16.6
70°-80°	258.8	4.5
80°-90°	13.9	0.2
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°	5707.0	100.0
0°-180°	5707.0	100.0

Coefficient of Utilization



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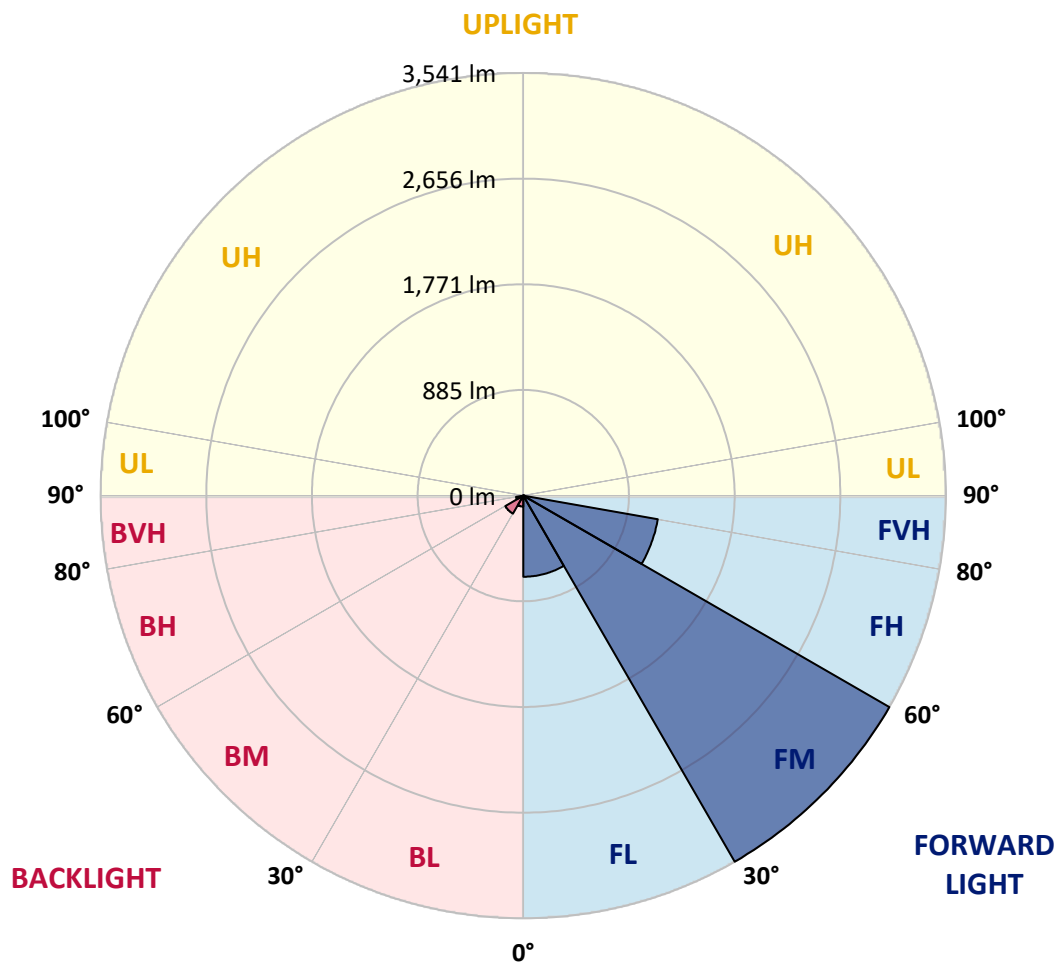
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	679.7	11.9			
FM	(30°-60°)	3541.3	62.1			
FH	(60°-80°)	1144.1	20.0			G1/1800
FVH	(80°-90°)	12.8	0.2			G1/100
BL	(0°-30°)	91.9	1.6	B0/110		
BM	(30°-60°)	174.3	3.1	B0/220		
BH	(60°-80°)	61.8	1.1	B0/110		G0/110
BVH	(80°-90°)	1.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0
2.5°	699.4	693.1	680.5	676.1	657.6	628.9	603.6	569.8	543.0	540.2	507.9
5°	936.6	922.4	916.5	888.1	843.6	801.8	730.1	675.8	613.1	608.4	543.4
7.5°	1165.1	1145.4	1139.5	1112.7	1060.7	994.9	901.9	803.0	703.7	694.7	591.0
10°	1330.6	1333.4	1322.7	1305.0	1262.9	1195.9	1081.2	946.1	804.6	793.2	644.6
12.5°	1449.2	1448.8	1450.8	1450.4	1428.0	1377.1	1256.5	1100.9	915.7	893.3	706.1
15°	1526.5	1527.6	1533.6	1554.0	1556.4	1524.9	1424.4	1249.1	1044.6	1016.6	772.7
17.5°	1604.5	1612.7	1622.2	1641.5	1658.9	1646.2	1575.3	1403.5	1161.2	1140.3	844.0
20°	1733.3	1744.7	1739.2	1751.1	1760.1	1761.3	1706.5	1546.2	1302.7	1267.6	925.6
22.5°	1939.4	1939.0	1924.8	1903.5	1885.8	1885.0	1835.4	1692.7	1431.1	1397.2	1007.5
25°	2199.8	2201.0	2173.4	2112.8	2068.6	2014.7	1957.5	1821.2	1568.6	1526.9	1093.8
27.5°	2498.5	2491.0	2449.3	2365.7	2278.3	2186.1	2103.7	1970.5	1714.4	1679.7	1192.7
30°	2766.9	2764.1	2715.2	2613.2	2498.1	2405.5	2286.1	2157.7	1903.1	1860.6	1303.4
32.5°	3016.7	3020.6	2952.8	2847.2	2736.1	2629.3	2503.2	2336.6	2088.3	2028.1	1424.0
35°	3211.7	3215.6	3145.5	3057.6	2943.4	2854.7	2734.5	2527.3	2271.2	2220.3	1562.7
37.5°	3315.7	3320.9	3280.3	3214.1	3142.8	3098.2	2986.3	2772.8	2493.4	2462.7	1726.6
40°	3335.4	3341.3	3323.6	3305.9	3301.9	3333.9	3301.2	3062.0	2801.5	2753.5	1970.9
42.5°	3276.3	3284.2	3292.1	3331.5	3411.9	3528.9	3642.8	3454.4	3198.3	3133.7	2269.6
45°	3121.1	3120.3	3151.4	3253.5	3433.5	3683.4	3999.8	3945.8	3738.9	3662.1	2691.6
47.5°	2855.5	2851.6	2918.9	3064.3	3344.9	3711.7	4290.9	4542.3	4428.9	4357.9	3145.1
50°	2450.8	2470.2	2576.1	2779.1	3124.6	3625.8	4380.8	4933.6	4995.1	4919.8	3511.6
52.5°	1976.8	1976.0	2142.3	2417.7	2798.4	3436.7	4318.1	5004.5	5179.1	5121.6	3692.0
55°	1463.0	1473.3	1646.2	1924.0	2374.8	3091.5	4113.6	4931.6	5249.2	5208.6	3811.0
57°	1088.3	1106.4	1245.1	1539.1	2006.0	2749.9	3841.4	4801.2	5276.8	5254.7	3909.9
57.5°	1015.8	1016.6	1151.7	1418.9	1898.0	2618.7	3763.3	4746.8	5276.0	5263.8	3926.1
60°	625.3	645.0	738.4	959.1	1389.3	2043.8	3240.5	4434.4	5235.0	5252.8	3995.0
62.5°	374.3	382.6	443.3	578.0	895.6	1491.8	2651.8	4034.4	5128.3	5182.2	3990.3
65°	240.8	242.7	270.3	349.9	559.9	1008.3	2043.4	3506.0	4852.0	4951.3	3834.3
67.5°	186.0	189.1	200.2	229.7	324.7	628.1	1445.3	2942.2	4405.2	4533.3	3456.0
70°	165.1	166.7	170.6	180.1	214.7	354.6	899.2	2298.4	3653.0	3689.3	2704.6
72.5°	134.8	139.1	151.3	154.5	170.2	221.4	500.4	1542.6	2454.4	2463.5	1513.1
75°	104.4	105.2	123.3	132.4	143.4	152.5	223.4	777.8	1178.9	1115.9	583.2
77.5°	78.0	81.6	89.8	101.3	117.0	109.1	100.1	293.2	366.1	359.4	169.4
80°	50.0	52.0	62.7	76.0	91.0	71.3	56.3	85.9	80.4	82.7	40.6
82.5°	25.2	25.6	40.2	61.9	57.9	35.9	35.5	35.1	29.9	29.6	18.9
85°	2.8	5.9	26.0	35.5	26.0	11.8	16.5	16.2	15.8	16.2	11.0
87.5°	0.4	0.4	4.3	5.1	3.5	3.9	4.7	5.1	6.3	5.9	4.7
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°	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0
2.5°	492.1	476.4	447.2	419.2	398.4	385.0	367.6	361.3	352.3	351.1	346.7
5°	513.4	483.5	432.6	392.5	360.1	335.7	314.4	296.7	282.5	279.4	280.9
7.5°	543.8	499.2	428.3	373.5	328.6	286.9	253.0	232.1	217.1	211.6	212.4
10°	578.0	520.1	427.5	353.4	284.9	233.7	196.6	178.1	169.4	166.3	162.7
12.5°	618.6	544.2	425.5	322.3	236.8	186.4	160.0	148.9	140.7	138.3	138.3
15°	664.3	569.8	416.1	283.7	192.3	154.1	136.3	127.7	124.9	122.5	122.5
17.5°	712.0	595.0	396.4	236.0	159.6	132.0	121.0	115.8	111.9	109.1	109.1
20°	766.4	619.8	364.9	193.9	134.8	117.8	109.1	103.2	100.1	97.7	96.9
22.5°	818.0	639.9	324.7	159.2	117.4	106.0	98.1	91.8	88.7	87.5	87.5
25°	871.6	652.1	276.2	131.6	107.2	96.1	87.5	82.4	79.6	78.8	78.4
27.5°	923.6	659.2	233.7	115.1	97.7	87.1	78.8	74.9	72.1	71.3	71.7
30°	986.6	660.4	192.3	103.2	89.4	78.4	70.9	67.4	65.8	65.0	64.6
32.5°	1050.5	658.8	161.6	96.1	81.6	70.9	64.6	61.9	60.7	59.5	59.5
35°	1122.2	650.5	137.5	89.0	74.1	64.6	59.1	56.7	55.2	54.0	53.6
37.5°	1211.2	646.2	123.7	81.2	67.4	58.7	53.6	51.2	50.0	48.5	48.1
40°	1351.5	665.5	119.4	74.1	60.7	53.2	48.5	45.7	44.1	42.6	42.2
42.5°	1526.5	699.4	112.3	67.0	54.8	48.1	43.3	40.2	37.4	35.5	34.7
45°	1753.0	743.9	101.3	59.5	49.6	42.6	38.2	34.3	30.7	29.2	28.8
47.5°	1990.6	786.9	91.4	53.6	44.1	37.8	33.1	28.8	25.6	24.4	24.0
50°	2136.4	795.5	85.1	46.9	38.6	32.7	28.0	24.0	22.1	20.9	20.9
52.5°	2203.0	781.7	76.4	41.0	33.5	28.8	24.0	20.9	19.7	18.9	18.5
55°	2249.5	760.5	65.0	35.5	28.8	24.4	21.3	18.9	17.3	16.5	16.2
57°	2276.7	731.7	56.3	31.1	24.8	21.3	18.9	16.9	15.4	13.8	13.8
57.5°	2277.9	720.7	54.0	30.7	23.6	20.5	18.5	16.5	14.6	13.0	12.6
60°	2242.8	645.0	43.3	26.0	18.9	17.3	15.4	13.0	10.2	8.7	8.3
62.5°	2130.1	548.9	35.9	22.1	15.4	13.4	11.0	9.9	7.1	5.1	5.1
65°	1959.5	445.2	30.7	17.7	12.6	9.9	7.5	7.1	4.3	2.4	2.0
67.5°	1712.8	346.7	26.0	14.6	10.6	7.1	5.1	4.7	2.4	0.8	0.0
70°	1305.0	236.4	21.7	11.8	7.9	5.1	3.5	2.8	1.6	0.4	0.0
72.5°	752.2	130.0	18.1	9.1	5.9	3.9	2.8	1.6	1.6	0.0	0.0
75°	268.7	56.0	13.8	6.7	4.7	3.2	2.0	0.8	1.2	0.4	0.0
77.5°	85.5	29.9	9.1	5.1	3.9	2.4	1.6	0.8	0.8	0.4	0.0
80°	25.2	15.8	5.5	4.3	2.8	2.0	1.2	0.4	0.8	0.4	0.0
82.5°	13.8	7.9	4.3	3.2	2.8	1.6	1.2	0.4	0.4	0.4	0.0
85°	7.1	4.7	3.5	3.2	2.8	1.6	1.2	0.4	0.0	0.4	0.4
87.5°	3.9	3.5	3.5	3.2	2.8	2.0	1.2	0.4	0.0	0.0	0.0
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)