

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: P511234

Luminaire Tested: **USSL-P-PA1C-730-U-T3-HSS**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511234  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/7/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: USSL-P-PA1C-730-U-T3-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

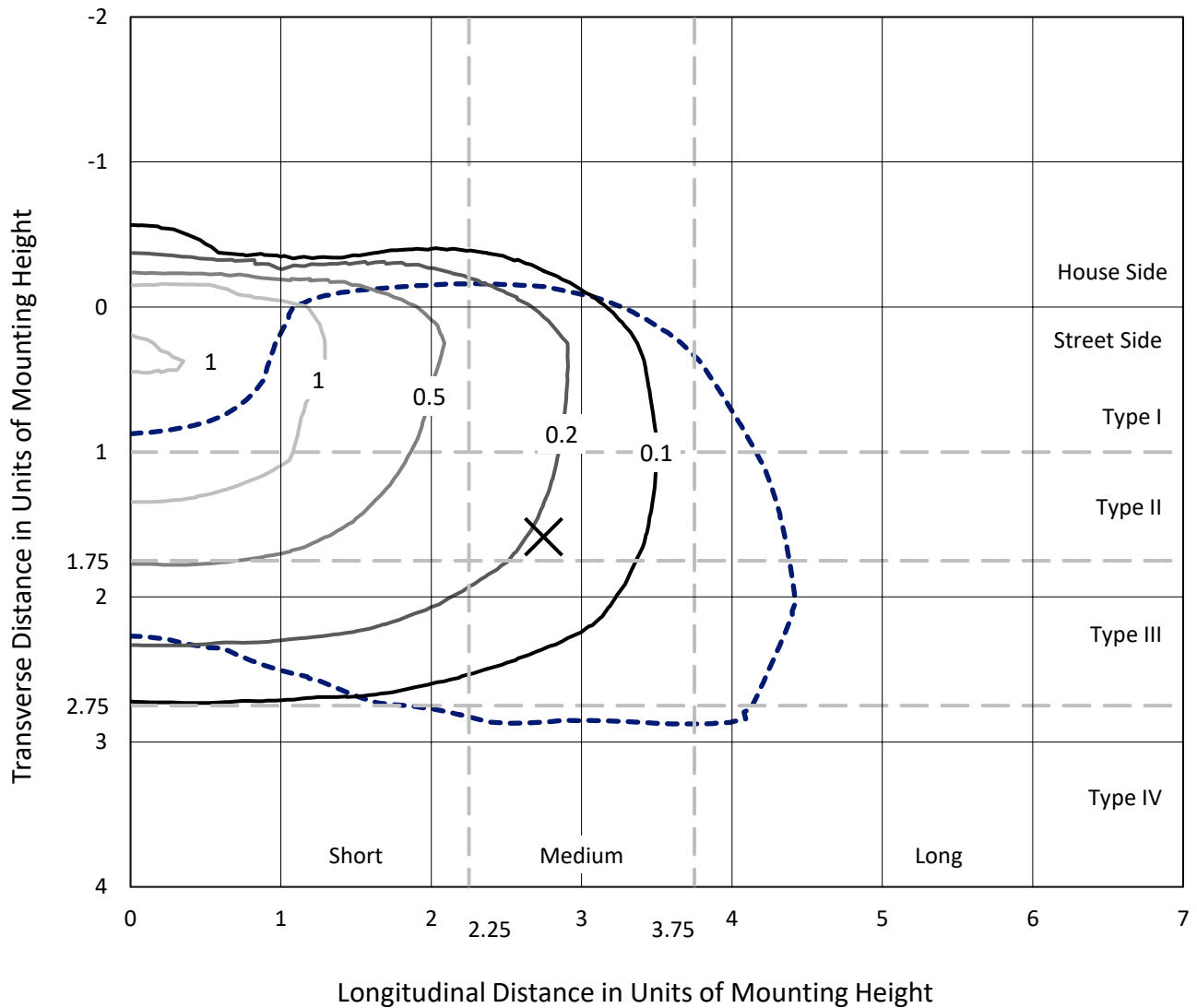
Lumens per Lamp: N/A  
Luminaire Lumens: 6538 lumens  
Efficiency: N/A  
Efficacy: 90.7 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 72.1  
Input Voltage (V): NR  
Input Current (Ain): 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

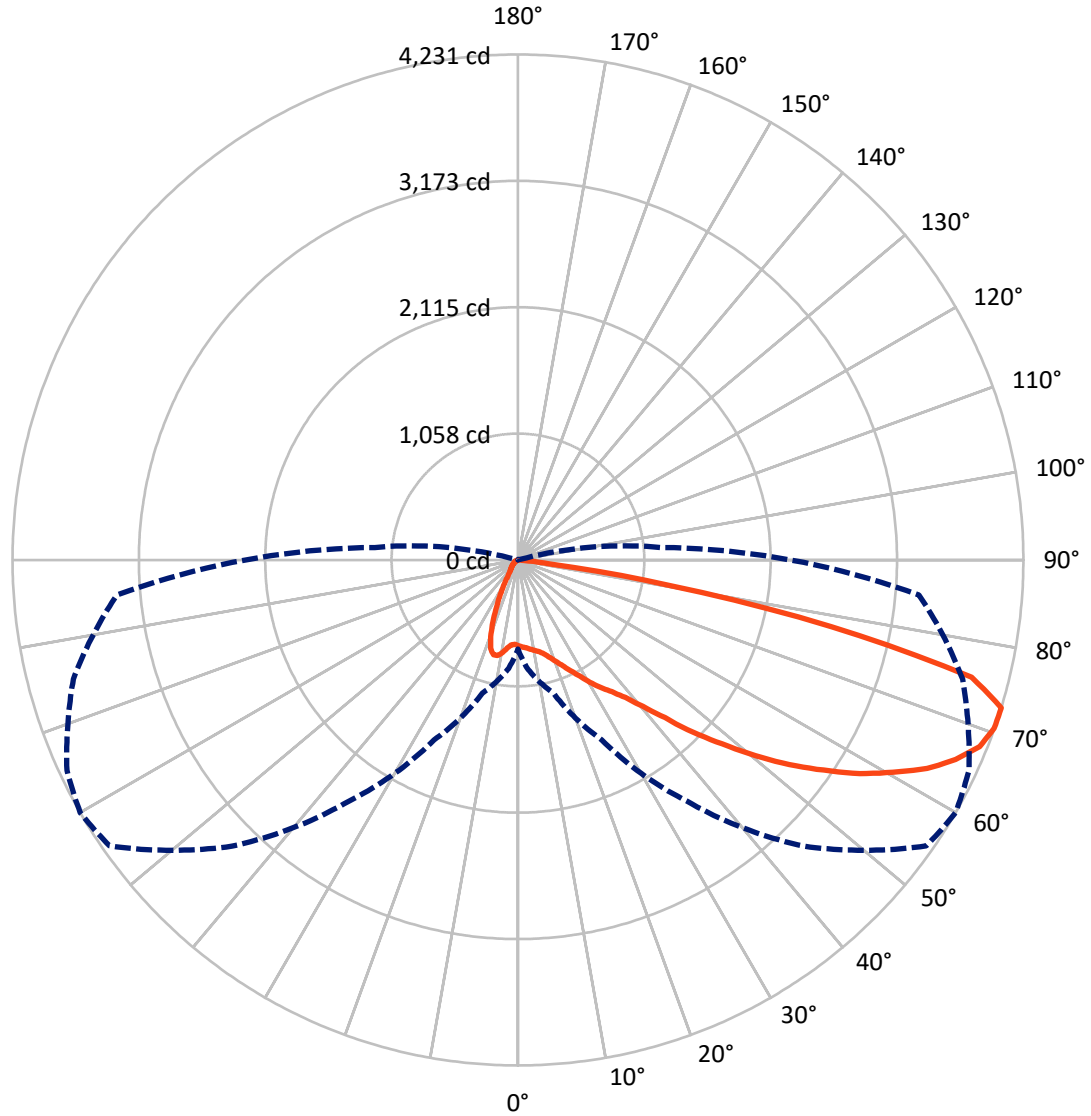
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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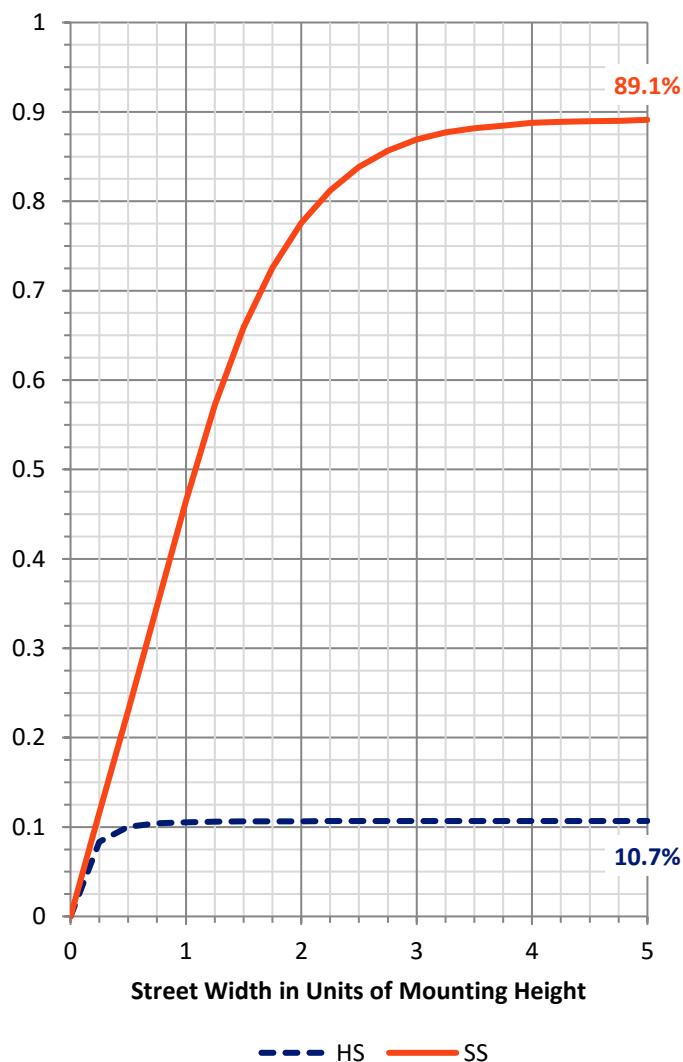
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	704.8	0.0	704.8
	% Fixture	10.8	0.0	10.8
<b>Street Side</b>	Lumens	5833.2	0.0	5833.2
	% Fixture	89.2	0.0	89.2
<b>Total</b>	Lumens	6538.0	0.0	6538.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.5	1.1
10°-20°	190.0	2.9
20°-30°	313.5	4.8
30°-40°	553.5	8.5
40°-50°	971.3	14.9
50°-60°	1522.6	23.3
60°-70°	1794.4	27.4
70°-80°	1072.0	16.4
80°-90°	51.1	0.8
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°	6538.0	100.0
0°-180°	6538.0	100.0

**Coefficient of Utilization**



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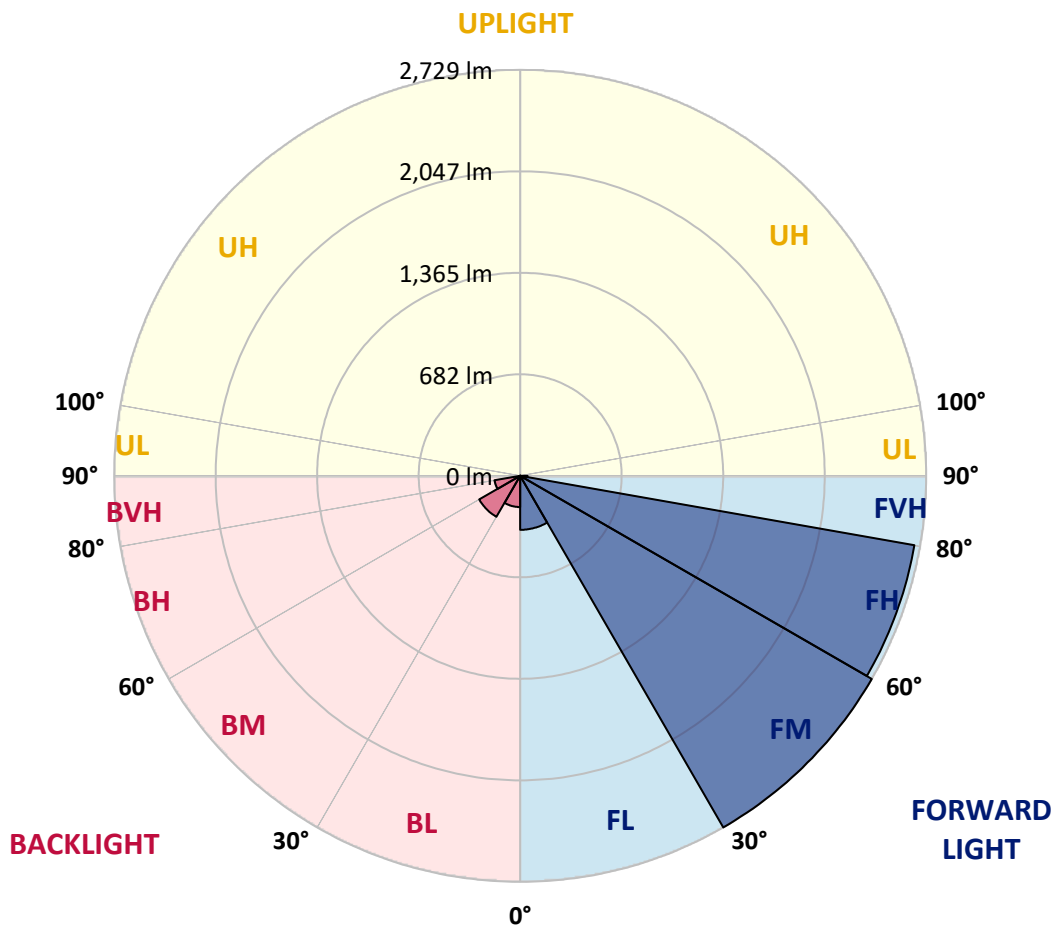
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	362.9	5.6			
FM (30°-60°)	2729.3	41.7			
FH (60°-80°)	2691.0	41.2			G2/5000
FVH (80°-90°)	49.9	0.8			G1/100
BL (0°-30°)	210.1	3.2	B1/500		
BM (30°-60°)	318.2	4.9	B1/1000		
BH (60°-80°)	175.4	2.7	B1/500		G1/500
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: B1-U0-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9
2.5°	737.1	739.0	731.4	739.0	735.2	735.2	733.3	729.4	725.6	723.7	723.7
5°	725.6	725.6	719.8	733.3	737.1	739.0	741.0	739.0	741.0	731.4	731.4
7.5°	669.9	671.8	677.6	694.9	712.2	733.3	754.4	754.4	758.2	760.1	756.3
10°	652.7	652.7	652.7	675.7	691.0	727.5	756.3	769.7	779.3	787.0	796.6
12.5°	646.9	645.0	652.7	679.5	702.6	733.3	773.6	787.0	802.4	825.4	838.8
15°	646.9	646.9	648.8	679.5	712.2	754.4	794.7	813.9	831.2	863.8	883.0
17.5°	664.2	662.2	664.2	689.1	719.8	775.5	836.9	856.1	875.3	906.0	934.8
20°	681.4	679.5	677.6	704.5	735.2	800.5	875.3	904.1	936.7	959.8	984.7
22.5°	712.2	710.2	702.6	719.8	754.4	831.2	923.3	961.7	994.3	1017.4	1038.5
25°	817.7	812.0	785.1	765.9	790.9	861.9	973.2	1027.0	1067.3	1084.6	1096.1
27.5°	1003.9	1011.6	952.1	875.3	842.7	908.0	1032.7	1098.0	1142.1	1155.6	1142.1
30°	1263.1	1251.6	1178.6	1075.0	963.6	965.5	1111.4	1188.2	1240.0	1245.8	1211.2
32.5°	1491.5	1489.6	1412.8	1299.5	1132.5	1067.3	1176.7	1272.7	1334.1	1334.1	1276.5
35°	1691.1	1681.5	1610.5	1514.5	1355.2	1215.1	1261.2	1353.3	1432.0	1428.2	1359.1
37.5°	1848.5	1844.7	1802.5	1714.2	1581.7	1410.9	1372.5	1460.8	1564.4	1558.7	1474.2
40°	2015.5	2019.4	2005.9	1917.6	1779.4	1643.1	1551.0	1612.4	1714.2	1721.8	1633.5
42.5°	2226.7	2232.5	2205.6	2121.1	1998.3	1879.3	1794.8	1804.4	1902.3	1913.8	1789.0
45°	2483.9	2482.0	2451.3	2370.7	2251.6	2136.5	2073.1	2057.8	2103.8	2130.7	2004.0
47.5°	2681.6	2685.5	2687.4	2658.6	2537.7	2457.0	2355.3	2299.6	2351.5	2366.8	2217.1
50°	2839.0	2894.7	2873.6	2902.4	2846.7	2798.7	2637.5	2574.1	2612.5	2631.7	2462.8
52.5°	2952.3	2996.4	3019.5	3105.9	3125.0	3167.3	2921.6	2844.8	2854.4	2865.9	2685.5
55°	2913.9	2940.8	3069.4	3222.9	3384.2	3520.5	3175.0	3105.9	3103.9	3107.8	2960.0
57.5°	2800.6	2841.0	3061.7	3255.6	3564.6	3764.3	3451.4	3374.6	3374.6	3317.0	3242.1
60°	2664.4	2689.3	2961.9	3240.2	3662.5	3917.8	3670.2	3606.9	3604.9	3526.2	3547.4
62.5°	2497.4	2510.8	2746.9	3144.2	3622.2	3906.3	3885.2	3844.9	3825.7	3700.9	3787.3
65°	2282.4	2284.3	2485.8	2961.9	3512.8	3885.2	4023.4	4025.3	4011.9	3858.3	3996.5
67.5°	1934.9	1973.3	2146.1	2654.8	3313.2	3839.1	4109.8	4167.4	4146.3	3956.2	4034.9
70°	1483.8	1531.8	1760.2	2203.7	3006.0	3722.0	4186.6	4226.9	4194.2	3969.7	3894.8
72.5°	746.7	911.8	1155.6	1660.4	2462.8	3388.0	4173.1	4230.7	4165.5	3852.6	3368.8
75°	122.9	136.3	311.0	765.9	1545.2	2716.2	3866.0	3921.7	3819.9	3213.3	2180.6
77.5°	76.8	82.5	126.7	322.5	526.0	1314.9	2769.9	2679.7	2675.9	1923.4	929.1
80°	46.1	48.0	67.2	145.9	282.2	278.3	1343.7	1280.3	1151.7	495.2	190.0
82.5°	26.9	28.8	49.9	74.9	155.5	94.1	205.4	266.8	286.0	99.8	38.4
85°	1.9	1.9	15.4	34.6	36.5	21.1	25.0	42.2	38.4	48.0	17.3
87.5°	0.0	0.0	0.0	1.9	3.8	3.8	5.8	5.8	5.8	7.7	5.8
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°	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9
2.5°	717.9	721.8	712.2	710.2	702.6	704.5	706.4	704.5	704.5	706.4	708.3
5°	727.5	725.6	717.9	716.0	710.2	714.1	716.0	717.9	721.8	719.8	719.8
7.5°	750.5	752.5	744.8	744.8	741.0	741.0	737.1	733.3	731.4	727.5	735.2
10°	794.7	796.6	790.9	788.9	781.3	764.0	729.4	687.2	643.1	625.8	631.5
12.5°	835.0	846.5	838.8	833.1	802.4	729.4	606.6	499.1	435.7	397.3	401.2
15°	883.0	892.6	888.8	867.6	771.7	585.5	408.9	291.8	245.7	220.7	228.4
17.5°	932.9	942.5	934.8	883.0	671.8	401.2	238.0	178.5	167.0	161.2	163.2
20°	986.7	996.3	979.0	846.5	512.5	251.5	161.2	153.6	151.6	151.6	151.6
22.5°	1040.4	1050.0	1023.1	764.0	353.2	165.1	147.8	144.0	142.0	138.2	140.1
25°	1086.5	1107.6	1053.8	643.1	215.0	144.0	138.2	134.4	128.6	124.8	126.7
27.5°	1140.2	1159.4	1044.2	495.2	151.6	134.4	126.7	119.0	113.3	109.4	109.4
30°	1201.6	1220.8	998.2	324.4	132.4	122.9	113.3	103.7	94.1	90.2	90.2
32.5°	1265.0	1280.3	923.3	197.7	119.0	109.4	97.9	84.5	74.9	69.1	69.1
35°	1347.5	1349.5	833.1	132.4	105.6	94.1	80.6	67.2	55.7	51.8	51.8
37.5°	1456.9	1443.5	721.8	109.4	92.1	78.7	63.3	49.9	42.2	38.4	40.3
40°	1604.8	1543.3	591.2	96.0	80.6	65.3	48.0	36.5	30.7	30.7	30.7
42.5°	1760.2	1645.1	447.3	88.3	71.0	51.8	34.6	26.9	25.0	25.0	25.0
45°	1944.5	1743.0	291.8	78.7	59.5	40.3	25.0	19.2	19.2	21.1	21.1
47.5°	2128.8	1829.3	174.7	69.1	49.9	30.7	19.2	15.4	15.4	17.3	19.2
50°	2336.1	1904.2	117.1	61.4	42.2	23.0	15.4	13.4	13.4	17.3	17.3
52.5°	2545.3	1950.3	92.1	51.8	32.6	19.2	13.4	11.5	11.5	15.4	15.4
55°	2721.9	1988.7	78.7	44.1	25.0	15.4	13.4	11.5	11.5	13.4	15.4
57.5°	2890.9	2002.1	67.2	36.5	19.2	15.4	11.5	9.6	9.6	13.4	13.4
60°	3025.2	1992.5	57.6	28.8	17.3	13.4	9.6	7.7	7.7	11.5	13.4
62.5°	3117.4	1959.9	44.1	21.1	15.4	13.4	9.6	5.8	7.7	9.6	11.5
65°	3165.4	1890.8	32.6	17.3	13.4	11.5	7.7	5.8	5.8	7.7	7.7
67.5°	3077.1	1781.4	25.0	13.4	11.5	11.5	7.7	3.8	3.8	5.8	5.8
70°	2829.4	1618.2	21.1	11.5	9.6	9.6	5.8	3.8	1.9	3.8	3.8
72.5°	2282.4	1201.6	17.3	9.6	7.7	7.7	5.8	1.9	1.9	1.9	3.8
75°	1395.5	393.5	11.5	7.7	5.8	5.8	3.8	1.9	1.9	1.9	1.9
77.5°	545.2	97.9	7.7	3.8	3.8	3.8	1.9	1.9	0.0	1.9	1.9
80°	101.7	19.2	3.8	3.8	1.9	1.9	1.9	0.0	0.0	1.9	1.9
82.5°	25.0	5.8	3.8	3.8	1.9	1.9	1.9	0.0	0.0	0.0	1.9
85°	7.7	3.8	3.8	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
87.5°	3.8	3.8	3.8	1.9	1.9	1.9	0.0	0.0	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)