

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: P691309

Luminaire Tested: **CRTK2-C015-D-U-T2-7050-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T2-7050-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3935 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

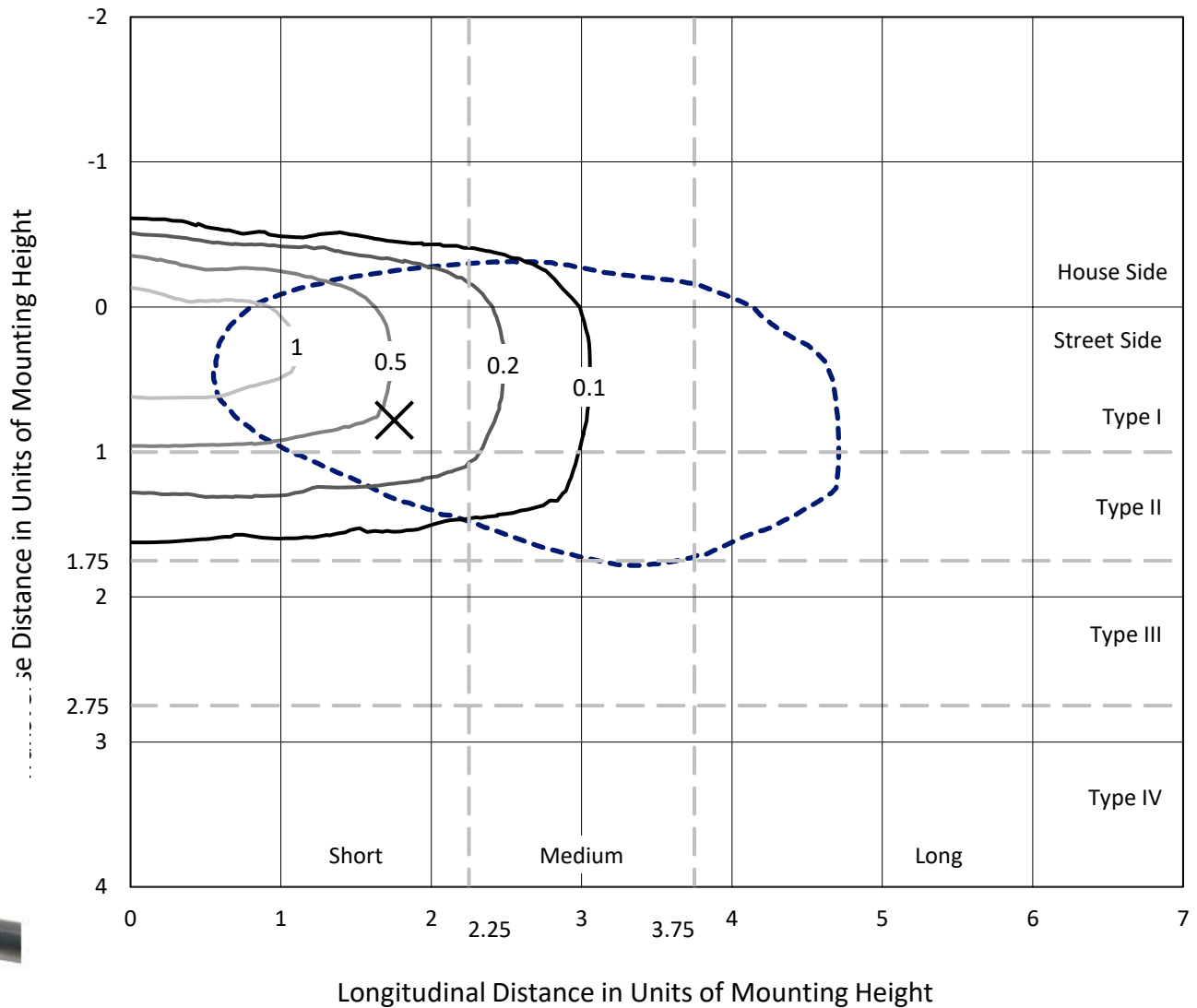
Input Watts (W): 29.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

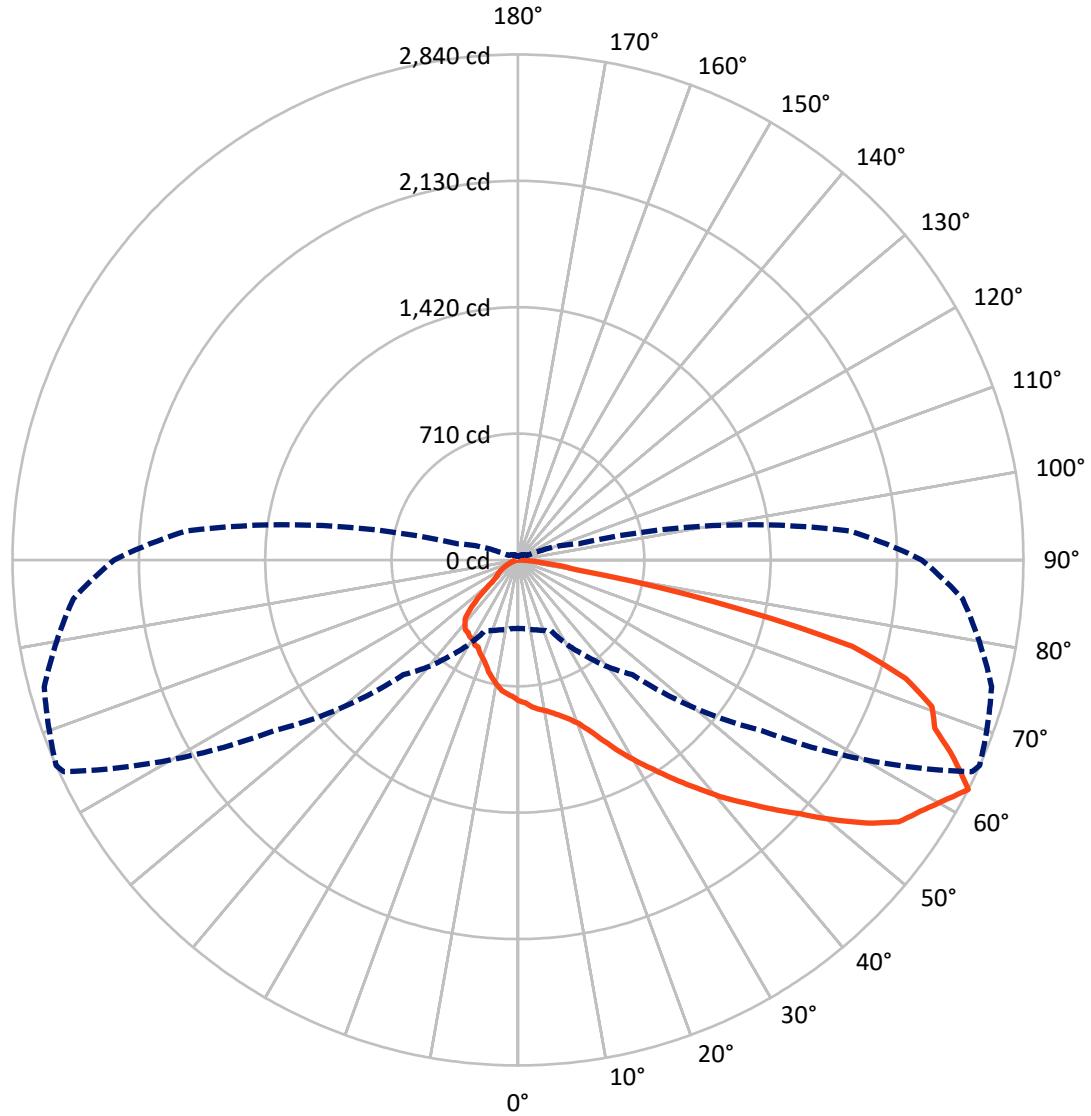
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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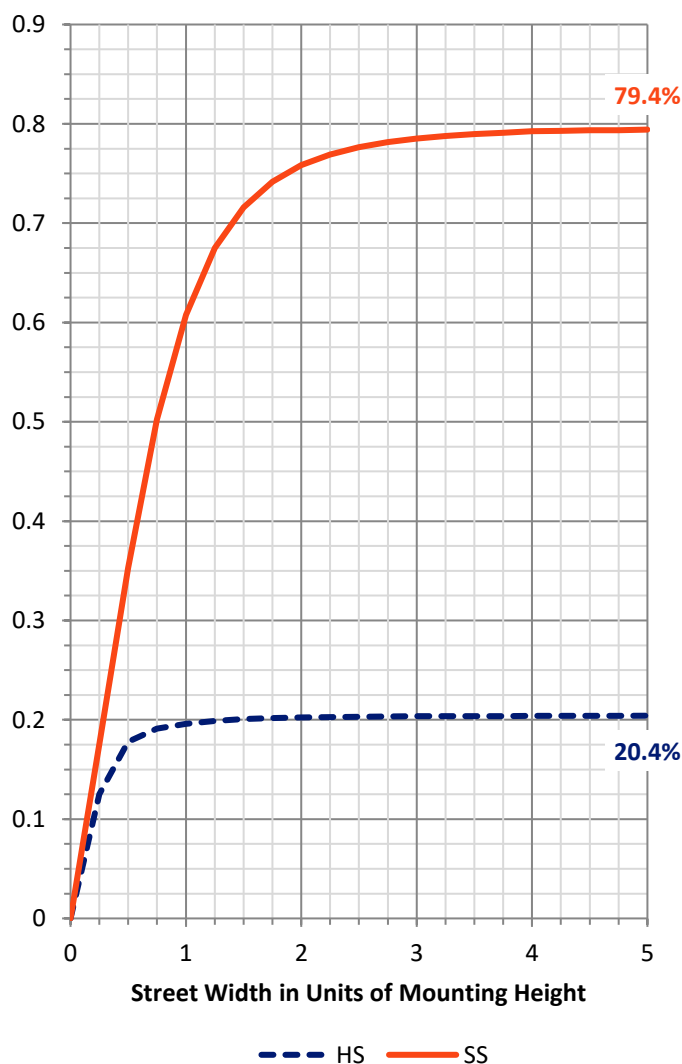
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	812.9	0.0	812.9
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	3122.1	0.0	3122.1
	% Fixture	79.3	0.0	79.3
Total	Lumens	3935.0	0.0	3935.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.8	1.9
10°-20°	213.0	5.4
20°-30°	349.4	8.9
30°-40°	514.2	13.1
40°-50°	678.1	17.2
50°-60°	789.4	20.1
60°-70°	784.4	19.9
70°-80°	485.2	12.3
80°-90°	46.4	1.2
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°	3935.0	100.0
0°-180°	3935.0	100.0

Coefficient of Utilization



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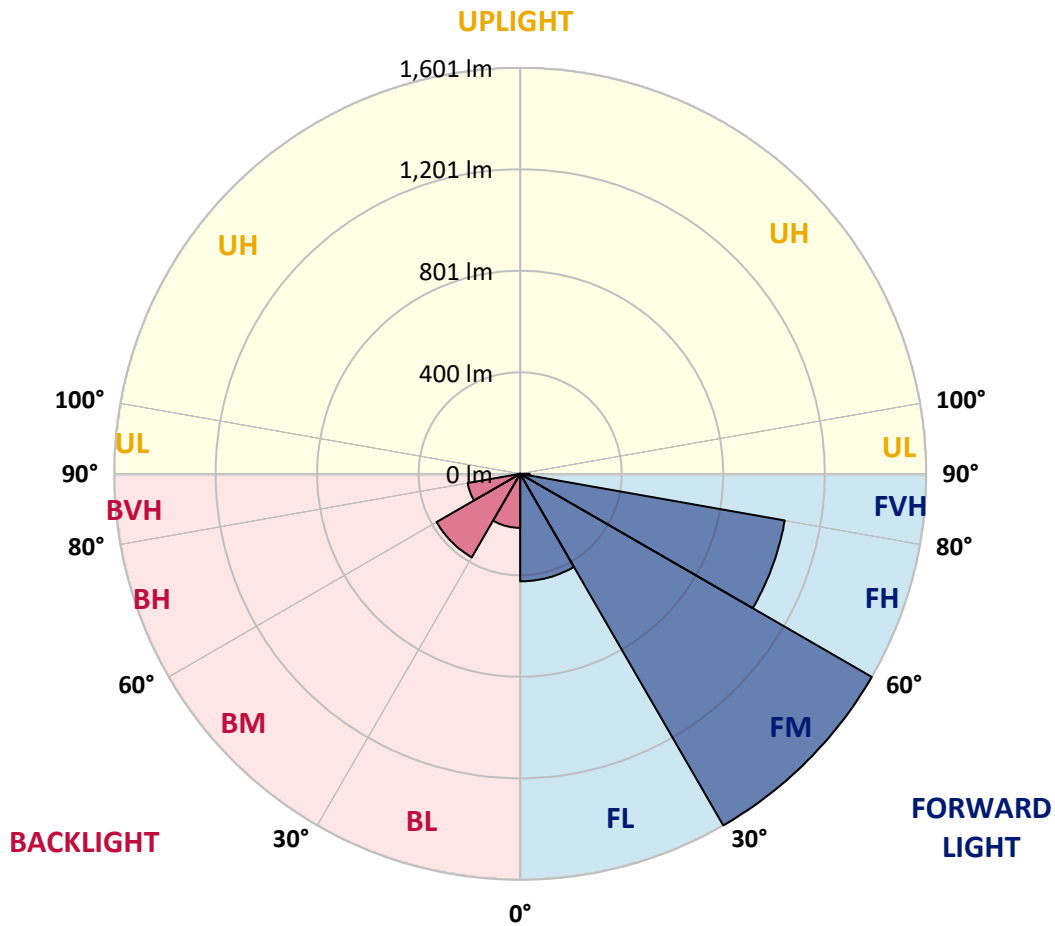
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	424.0	10.8			
FM (30°-60°)	1601.1	40.7			
FH (60°-80°)	1059.5	26.9			G1/1800
FVH (80°-90°)	37.5	1.0			G1/100
BL (0°-30°)	213.2	5.4	B1/500		
BM (30°-60°)	380.6	9.7	B1/1000		
BH (60°-80°)	210.1	5.3	B1/500		G1/500
BVH (80°-90°)	8.9	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9
2.5°	836.3	836.3	834.9	824.5	820.0	814.1	809.7	805.2	803.7	799.3	791.9
5°	885.3	883.8	883.8	874.9	866.0	854.1	842.3	830.4	828.9	817.1	800.8
7.5°	913.5	913.5	910.5	904.6	898.6	891.2	873.4	848.2	846.7	830.4	808.2
10°	920.9	922.4	928.3	913.5	909.0	901.6	892.7	866.0	861.6	837.8	802.2
12.5°	947.6	947.6	946.1	932.7	928.3	922.4	907.5	886.8	882.3	852.7	803.7
15°	980.2	981.7	977.2	965.4	959.4	952.0	932.7	910.5	909.0	870.5	815.6
17.5°	996.5	996.5	999.5	983.2	984.6	981.7	972.8	941.6	940.1	904.6	836.3
20°	1002.4	1003.9	1005.4	1005.4	1006.9	1003.9	1012.8	986.1	981.7	941.6	864.5
22.5°	1029.1	1032.1	1039.5	1035.1	1042.5	1046.9	1049.9	1051.4	1045.4	1003.9	912.0
25°	1041.0	1048.4	1058.8	1075.1	1087.0	1095.9	1118.1	1128.5	1127.0	1091.4	990.6
27.5°	1023.2	1032.1	1067.7	1095.9	1137.4	1161.1	1202.6	1216.0	1220.4	1187.8	1075.1
30°	1046.9	1049.9	1066.2	1101.8	1153.7	1224.9	1281.2	1310.9	1310.9	1285.7	1158.1
32.5°	1009.8	1018.7	1066.2	1131.4	1211.5	1288.6	1342.0	1405.8	1405.8	1393.9	1276.8
35°	1005.4	1009.8	1038.0	1110.7	1213.0	1353.9	1425.1	1500.7	1511.1	1512.5	1393.9
37.5°	963.9	972.8	1023.2	1116.6	1257.5	1393.9	1493.3	1610.4	1622.3	1638.6	1491.8
40°	917.9	920.9	965.4	1063.2	1247.1	1445.8	1558.5	1733.5	1746.8	1769.1	1622.3
42.5°	849.7	861.6	935.7	1042.5	1242.7	1462.1	1631.2	1849.2	1864.0	1895.1	1730.5
45°	788.9	793.3	848.2	966.8	1193.7	1485.8	1687.5	1985.6	1994.5	2013.8	1821.0
47.5°	740.0	742.9	797.8	900.1	1147.8	1479.9	1742.4	2108.7	2129.4	2159.1	1927.7
50°	593.2	609.5	745.9	845.2	1067.7	1469.5	1785.4	2262.9	2294.0	2305.9	2050.8
52.5°	505.7	508.6	579.8	790.4	984.6	1425.1	1826.9	2420.1	2455.7	2423.0	2199.1
55°	468.6	471.6	504.2	680.6	914.9	1339.0	1858.1	2571.3	2596.5	2516.5	2310.3
57.5°	444.9	450.8	465.6	553.1	831.9	1195.2	1864.0	2654.4	2664.7	2590.6	2366.7
60°	412.2	412.2	441.9	483.4	741.4	1041.0	1815.0	2695.9	2746.3	2675.1	2470.5
62.5°	384.1	387.0	406.3	437.5	652.5	910.5	1671.2	2814.5	2839.7	2755.2	2507.6
65°	351.4	354.4	372.2	403.3	593.2	837.8	1594.1	2767.1	2692.9	2734.4	2553.5
67.5°	314.4	315.9	333.6	361.8	498.2	772.6	1408.7	2586.1	2525.3	2636.6	2426.0
70°	277.3	277.3	292.1	314.4	406.3	677.7	1164.1	2421.5	2467.5	2473.4	2300.0
72.5°	231.3	232.8	247.6	266.9	326.2	566.5	920.9	2256.9	2277.7	2199.1	2022.7
75°	166.1	172.0	188.3	207.6	258.0	449.3	654.0	1834.3	1942.6	2082.0	1737.9
77.5°	25.2	25.2	31.1	47.5	84.5	225.4	302.5	1012.8	1124.0	1742.4	1518.5
80°	20.8	20.8	22.2	31.1	48.9	126.0	97.9	317.3	341.1	800.8	855.6
82.5°	10.4	10.4	16.3	22.2	29.7	37.1	41.5	152.7	176.5	272.9	341.1
85°	5.9	5.9	7.4	10.4	11.9	11.9	13.3	72.7	75.6	148.3	154.2
87.5°	1.5	1.5	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5
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°	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9
2.5°	788.9	784.4	775.5	768.1	763.7	754.8	747.4	741.4	738.5	745.9	747.4
5°	790.4	780.0	763.7	753.3	741.4	726.6	708.8	698.4	694.0	695.5	699.9
7.5°	793.3	778.5	759.2	737.0	705.9	676.2	655.4	643.6	637.6	645.1	645.1
10°	784.4	768.1	741.4	707.3	667.3	637.6	613.9	593.2	585.7	588.7	590.2
12.5°	784.4	762.2	717.7	676.2	639.1	590.2	554.6	535.3	527.9	529.4	532.4
15°	788.9	759.2	697.0	646.5	591.7	539.8	508.6	484.9	477.5	470.1	473.0
17.5°	803.7	754.8	686.6	606.5	545.7	496.8	453.8	427.1	421.1	421.1	422.6
20°	818.6	760.7	668.8	576.8	504.2	443.4	398.9	379.6	366.3	360.3	366.3
22.5°	849.7	781.5	656.9	557.6	461.2	403.3	361.8	318.8	295.1	284.7	287.7
25°	906.0	818.6	665.8	523.5	437.5	366.3	308.4	256.5	223.9	213.5	216.5
27.5°	993.5	879.3	676.2	520.5	394.4	329.2	250.6	194.3	169.0	158.7	161.6
30°	1079.5	962.4	710.3	490.8	378.1	269.9	189.8	149.8	124.6	114.2	117.1
32.5°	1153.7	1042.5	753.3	483.4	335.1	203.2	142.4	111.2	91.9	83.0	84.5
35°	1263.4	1110.7	790.4	461.2	284.7	152.7	103.8	80.1	69.7	66.7	66.7
37.5°	1361.3	1190.8	826.0	453.8	213.5	114.2	74.1	65.2	63.8	59.3	59.3
40°	1463.6	1275.3	842.3	427.1	155.7	80.1	60.8	60.8	59.3	54.9	54.9
42.5°	1583.7	1361.3	857.1	395.9	111.2	60.8	56.3	57.8	56.3	51.9	50.4
45°	1669.7	1414.7	861.6	317.3	77.1	57.8	53.4	54.9	53.4	50.4	48.9
47.5°	1748.3	1491.8	842.3	222.4	62.3	54.9	51.9	51.9	51.9	47.5	46.0
50°	1829.9	1555.5	826.0	120.1	60.8	53.4	48.9	47.5	48.9	46.0	44.5
52.5°	1938.1	1604.5	783.0	81.6	59.3	51.9	47.5	44.5	46.0	43.0	44.5
55°	2082.0	1733.5	704.4	77.1	59.3	50.4	46.0	41.5	41.5	40.0	40.0
57.5°	2147.2	1782.4	578.3	74.1	57.8	50.4	43.0	38.6	35.6	34.1	32.6
60°	2227.3	1853.6	446.3	68.2	53.4	47.5	38.6	34.1	29.7	28.2	28.2
62.5°	2268.8	1869.9	352.9	60.8	48.9	41.5	34.1	28.2	23.7	20.8	20.8
65°	2292.5	1861.0	246.2	54.9	43.0	37.1	29.7	23.7	17.8	16.3	14.8
67.5°	2212.5	1807.6	143.8	47.5	37.1	32.6	25.2	19.3	14.8	13.3	11.9
70°	2052.3	1644.5	90.5	41.5	32.6	28.2	22.2	16.3	11.9	10.4	10.4
72.5°	1880.3	1325.7	62.3	32.6	25.2	22.2	16.3	13.3	10.4	7.4	7.4
75°	1692.0	1150.7	46.0	23.7	17.8	16.3	13.3	10.4	8.9	5.9	5.9
77.5°	1199.7	762.2	37.1	17.8	11.9	10.4	8.9	7.4	5.9	5.9	4.4
80°	708.8	372.2	28.2	11.9	8.9	7.4	5.9	5.9	4.4	4.4	4.4
82.5°	265.4	142.4	19.3	8.9	5.9	5.9	4.4	4.4	3.0	3.0	3.0
85°	96.4	35.6	8.9	4.4	4.4	3.0	3.0	3.0	3.0	3.0	3.0
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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)