

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: P691625

Luminaire Tested: **CRTK2-C018-5TLD-U-T3-8027-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691625
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-12)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-5TLD-U-T3-8027-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6322 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 53.7
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

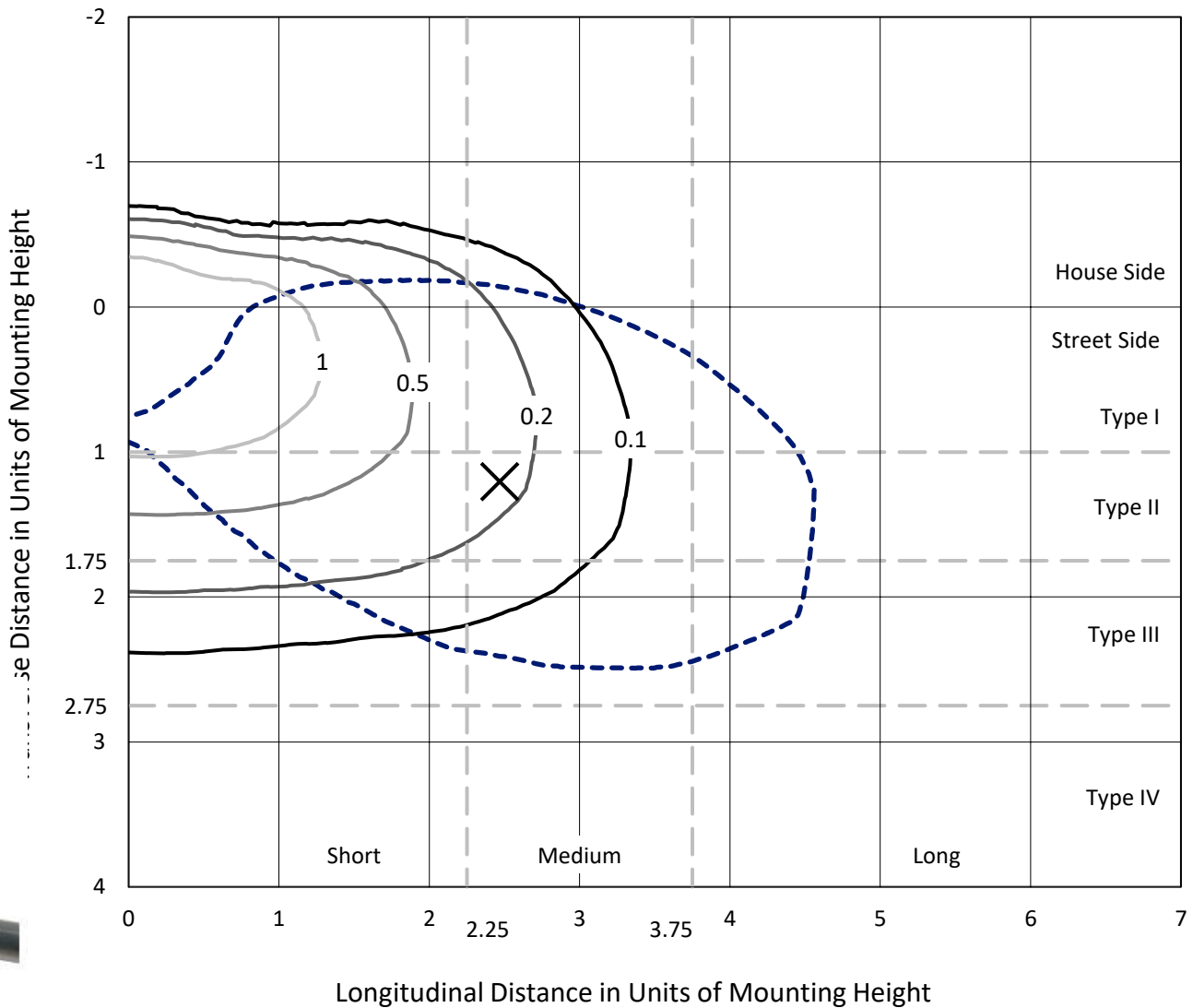


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

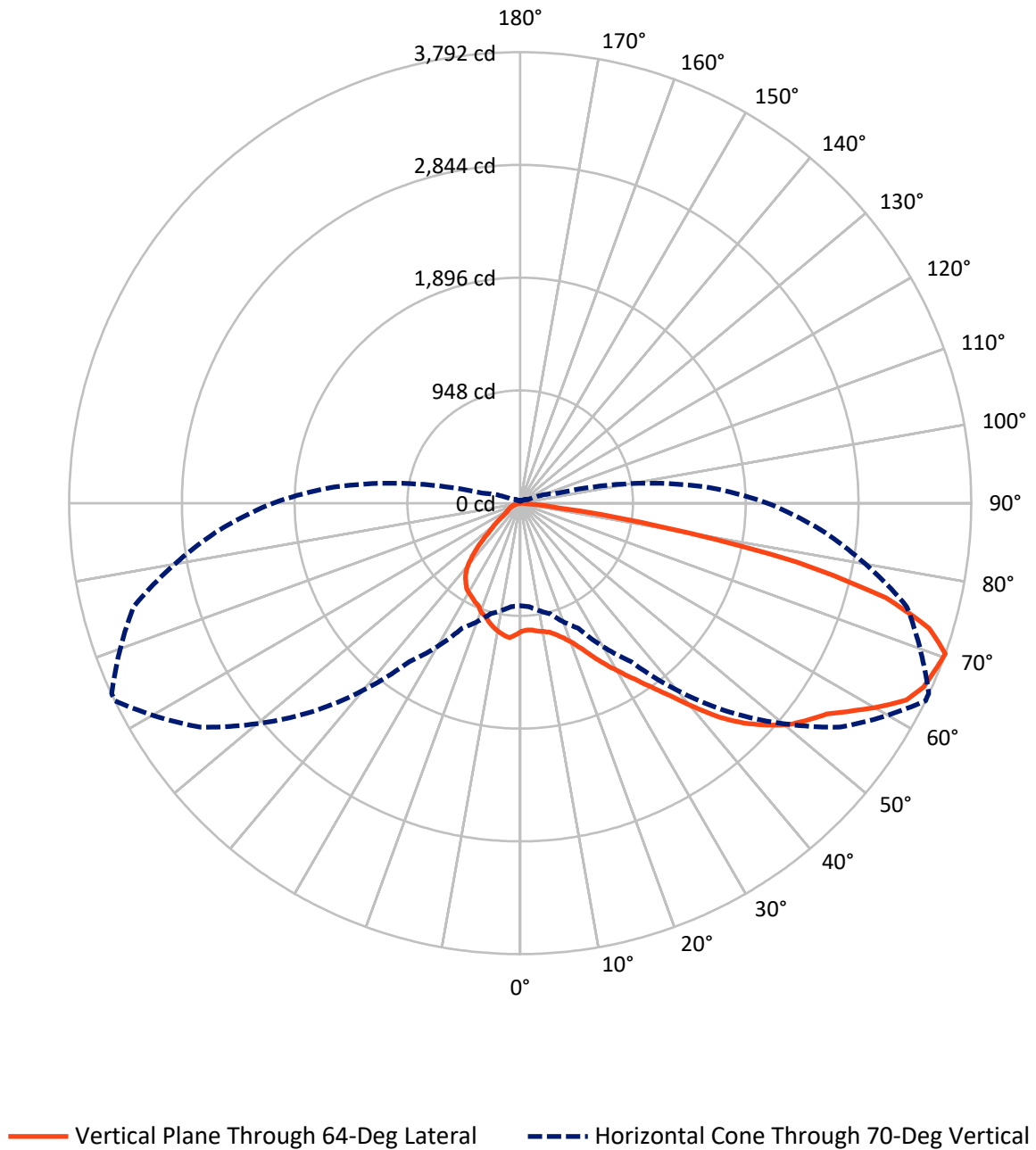


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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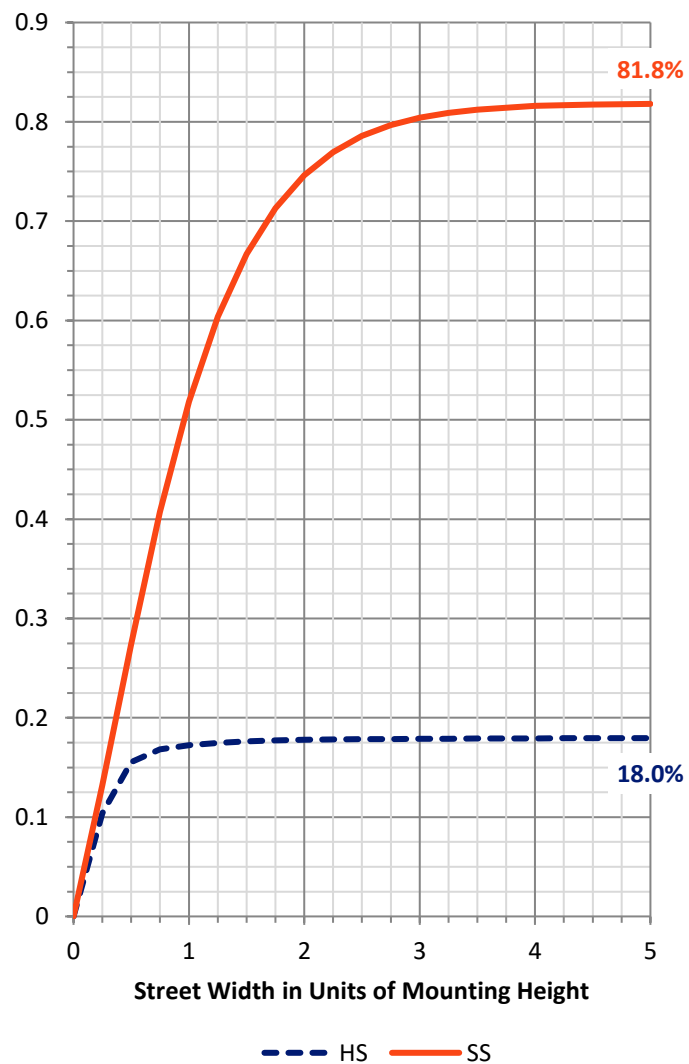
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1149.0	0.0	1149.0
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	5173.0	0.0	5173.0
	% Fixture	81.8	0.0	81.8
Total	Lumens	6322.0	0.0	6322.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.2	1.7
10°-20°	311.2	4.9
20°-30°	524.4	8.3
30°-40°	771.7	12.2
40°-50°	1058.3	16.7
50°-60°	1287.6	20.4
60°-70°	1367.1	21.6
70°-80°	838.0	13.3
80°-90°	58.5	0.9
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°	6322.0	100.0
0°-180°	6322.0	100.0

Coefficient of Utilization



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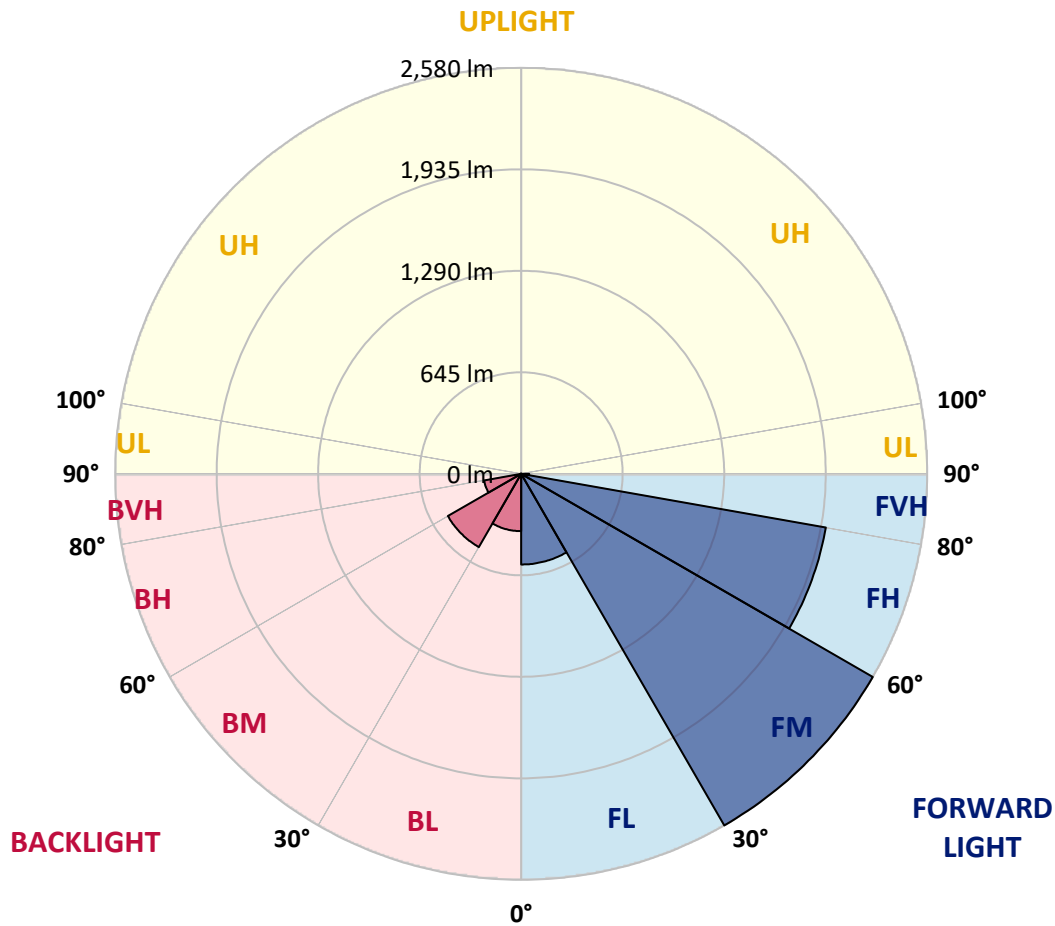
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	576.3	9.1			
FM	(30°-60°)	2579.8	40.8			
FH	(60°-80°)	1965.9	31.1			G2/5000
FVH	(80°-90°)	51.0	0.8			G1/100
BL	(0°-30°)	364.5	5.8	B1/500		
BM	(30°-60°)	537.8	8.5	B1/1000		
BH	(60°-80°)	239.2	3.8	B1/500		G1/500
BVH	(80°-90°)	7.5	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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1079.5	1079.5	1079.5	1079.5	1079.5	1079.5	1079.5	1079.5	1079.5	1079.5	1079.5
2.5°	1067.9	1067.9	1070.2	1067.9	1072.5	1065.6	1067.9	1067.9	1067.9	1070.2	1077.2
5°	1100.3	1100.3	1095.7	1088.7	1081.8	1072.5	1072.5	1072.5	1072.5	1077.2	1093.4
7.5°	1121.2	1118.9	1118.9	1118.9	1111.9	1093.4	1088.7	1086.4	1086.4	1086.4	1102.6
10°	1172.1	1165.2	1155.9	1142.0	1135.1	1118.9	1100.3	1098.0	1098.0	1100.3	1121.2
12.5°	1220.8	1213.8	1213.8	1204.6	1176.8	1158.2	1125.8	1114.2	1114.2	1118.9	1130.4
15°	1301.9	1294.9	1276.4	1260.2	1234.7	1202.3	1169.8	1149.0	1146.7	1155.9	1139.7
17.5°	1359.8	1348.2	1350.5	1325.0	1304.2	1257.9	1225.4	1193.0	1193.0	1202.3	1169.8
20°	1415.4	1415.4	1417.7	1415.4	1380.6	1343.6	1290.3	1250.9	1253.2	1255.5	1204.6
22.5°	1498.8	1496.5	1496.5	1498.8	1475.6	1433.9	1376.0	1332.0	1329.7	1311.1	1248.6
25°	1596.1	1591.4	1582.2	1591.4	1579.8	1531.2	1475.6	1431.6	1424.6	1399.2	1313.4
27.5°	1677.1	1677.1	1677.1	1681.8	1681.8	1647.0	1584.5	1538.1	1542.8	1508.0	1389.9
30°	1735.0	1735.0	1755.9	1765.2	1772.1	1760.5	1693.4	1644.7	1654.0	1612.3	1484.9
32.5°	1797.6	1795.3	1823.1	1843.9	1853.2	1857.8	1802.2	1762.8	1765.2	1728.1	1593.7
35°	1855.5	1850.9	1887.9	1932.0	1955.1	1950.5	1911.1	1897.2	1901.8	1890.3	1742.0
37.5°	1897.2	1904.2	1952.8	2010.7	2047.8	2057.0	2031.6	2057.0	2082.5	2098.7	1934.3
40°	1943.5	1943.5	1989.9	2052.4	2110.3	2145.1	2163.6	2256.3	2277.1	2288.7	2047.8
42.5°	1897.2	1913.4	2010.7	2101.1	2177.5	2230.8	2307.2	2462.4	2485.6	2413.8	2198.3
45°	1857.8	1871.7	1969.0	2121.9	2233.1	2337.3	2476.3	2638.5	2661.6	2538.9	2284.1
47.5°	1818.4	1834.7	1936.6	2105.7	2284.1	2455.5	2613.0	2789.1	2800.6	2647.7	2397.6
50°	1774.4	1790.6	1897.2	2084.8	2314.2	2582.9	2747.4	2928.0	2930.4	2742.7	2455.5
52.5°	1718.8	1739.7	1846.2	2054.7	2339.7	2668.6	2867.8	3030.0	3016.1	2858.5	2525.0
55°	1649.3	1672.5	1790.6	2015.3	2353.6	2724.2	2946.6	3129.6	3120.3	2992.9	2615.3
57.5°	1570.6	1596.1	1718.8	1955.1	2348.9	2752.0	3027.6	3294.0	3298.7	3104.1	2682.5
60°	1480.2	1503.4	1619.2	1876.4	2288.7	2803.0	3201.4	3474.7	3490.9	3226.9	2710.3
62.5°	1362.1	1382.9	1494.1	1760.5	2212.2	2840.0	3333.4	3646.2	3639.2	3310.3	2719.6
65°	1213.8	1237.0	1341.2	1607.6	2091.8	2816.8	3375.1	3727.2	3727.2	3370.5	2712.6
67.5°	1063.3	1084.1	1172.1	1413.1	1897.2	2701.0	3349.6	3759.7	3780.5	3409.9	2650.1
70°	861.7	873.3	961.3	1160.6	1626.2	2483.3	3284.8	3792.1	3789.8	3365.9	2531.9
72.5°	632.4	646.3	718.1	871.0	1257.9	2149.7	3080.9	3595.2	3558.1	3129.6	2302.6
75°	326.6	340.5	396.1	546.7	801.5	1517.3	2626.9	3175.9	3169.0	2770.5	1906.5
77.5°	44.0	44.0	51.0	90.3	185.3	604.6	1721.2	2379.0	2365.1	2112.6	1385.3
80°	30.1	30.1	34.7	41.7	53.3	132.0	606.9	1206.9	1227.7	1088.7	620.8
82.5°	23.2	20.8	25.5	30.1	32.4	60.2	185.3	333.6	338.2	303.5	190.0
85°	13.9	13.9	13.9	13.9	11.6	16.2	41.7	55.6	62.5	60.2	48.6
87.5°	6.9	6.9	6.9	4.6	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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°	1079.5	1079.5	1079.5	1079.5	1079.5	1079.5	1079.5	1079.5	1079.5	1079.5	1079.5
2.5°	1079.5	1086.4	1095.7	1107.3	1118.9	1128.1	1137.4	1142.0	1146.7	1149.0	1151.3
5°	1098.0	1107.3	1118.9	1135.1	1135.1	1128.1	1123.5	1123.5	1128.1	1135.1	1137.4
7.5°	1116.5	1125.8	1121.2	1118.9	1121.2	1111.9	1100.3	1093.4	1088.7	1088.7	1093.4
10°	1123.5	1114.2	1109.6	1098.0	1074.9	1070.2	1061.0	1042.4	1037.8	1042.4	1026.2
12.5°	1118.9	1111.9	1088.7	1070.2	1047.1	1007.7	984.5	984.5	972.9	970.6	972.9
15°	1130.4	1107.3	1079.5	1040.1	998.4	966.0	928.9	896.5	887.2	889.5	889.5
17.5°	1139.7	1116.5	1061.0	1000.7	963.7	905.7	864.0	845.5	829.3	827.0	827.0
20°	1160.6	1128.1	1049.4	984.5	891.8	847.8	801.5	778.3	752.9	718.1	706.5
22.5°	1193.0	1149.0	1042.4	940.5	859.4	789.9	722.7	653.2	611.6	583.8	590.7
25°	1237.0	1188.4	1049.4	924.3	810.8	722.7	634.7	539.7	477.2	458.7	470.2
27.5°	1315.8	1232.4	1070.2	901.1	776.0	644.0	511.9	428.6	370.6	352.1	359.1
30°	1387.6	1299.5	1072.5	887.2	720.4	551.3	403.1	310.4	264.1	236.3	229.3
32.5°	1517.3	1371.4	1130.4	868.7	662.5	449.4	296.5	206.2	164.5	148.3	143.6
35°	1644.7	1498.8	1146.7	833.9	556.0	333.6	183.0	122.8	99.6	88.0	85.7
37.5°	1820.8	1654.0	1213.8	796.9	449.4	203.9	111.2	74.1	69.5	67.2	67.2
40°	1908.8	1735.0	1269.4	743.6	315.0	115.8	71.8	64.9	62.5	60.2	60.2
42.5°	2033.9	1827.7	1315.8	648.6	185.3	76.4	64.9	60.2	57.9	55.6	55.6
45°	2103.4	1876.4	1304.2	532.8	92.7	71.8	62.5	57.9	53.3	53.3	53.3
47.5°	2196.0	1948.2	1274.1	393.8	83.4	69.5	60.2	55.6	53.3	55.6	53.3
50°	2284.1	2017.7	1190.7	312.7	81.1	67.2	60.2	53.3	53.3	53.3	53.3
52.5°	2332.7	2082.5	1086.4	229.3	83.4	67.2	57.9	53.3	53.3	51.0	53.3
55°	2379.0	2091.8	1003.0	166.8	83.4	64.9	55.6	51.0	48.6	46.3	46.3
57.5°	2411.5	2070.9	935.9	139.0	83.4	64.9	53.3	48.6	41.7	39.4	39.4
60°	2402.2	2020.0	880.3	127.4	78.8	60.2	48.6	41.7	37.1	32.4	32.4
62.5°	2376.7	1989.9	778.3	111.2	71.8	55.6	44.0	34.7	30.1	27.8	27.8
65°	2353.6	1894.9	660.2	99.6	67.2	48.6	37.1	30.1	25.5	23.2	23.2
67.5°	2242.4	1769.8	491.1	85.7	60.2	44.0	32.4	27.8	23.2	20.8	18.5
70°	2077.9	1568.3	322.0	74.1	53.3	37.1	27.8	23.2	18.5	16.2	16.2
72.5°	1797.6	1294.9	166.8	60.2	44.0	32.4	25.5	20.8	16.2	13.9	13.9
75°	1459.4	952.1	99.6	46.3	34.7	27.8	20.8	16.2	13.9	11.6	11.6
77.5°	1010.0	525.8	71.8	34.7	23.2	20.8	16.2	13.9	11.6	9.3	9.3
80°	340.5	143.6	51.0	25.5	16.2	16.2	11.6	9.3	9.3	6.9	6.9
82.5°	134.4	88.0	34.7	18.5	13.9	11.6	9.3	6.9	6.9	6.9	6.9
85°	37.1	25.5	13.9	9.3	6.9	6.9	6.9	4.6	4.6	4.6	4.6
87.5°	2.3	4.6	4.6	4.6	4.6	4.6	2.3	2.3	2.3	2.3	2.3
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)