

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: P853394

Luminaire Tested: **CRTK-N-40-727-U-T3**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-40-727-U-T3
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

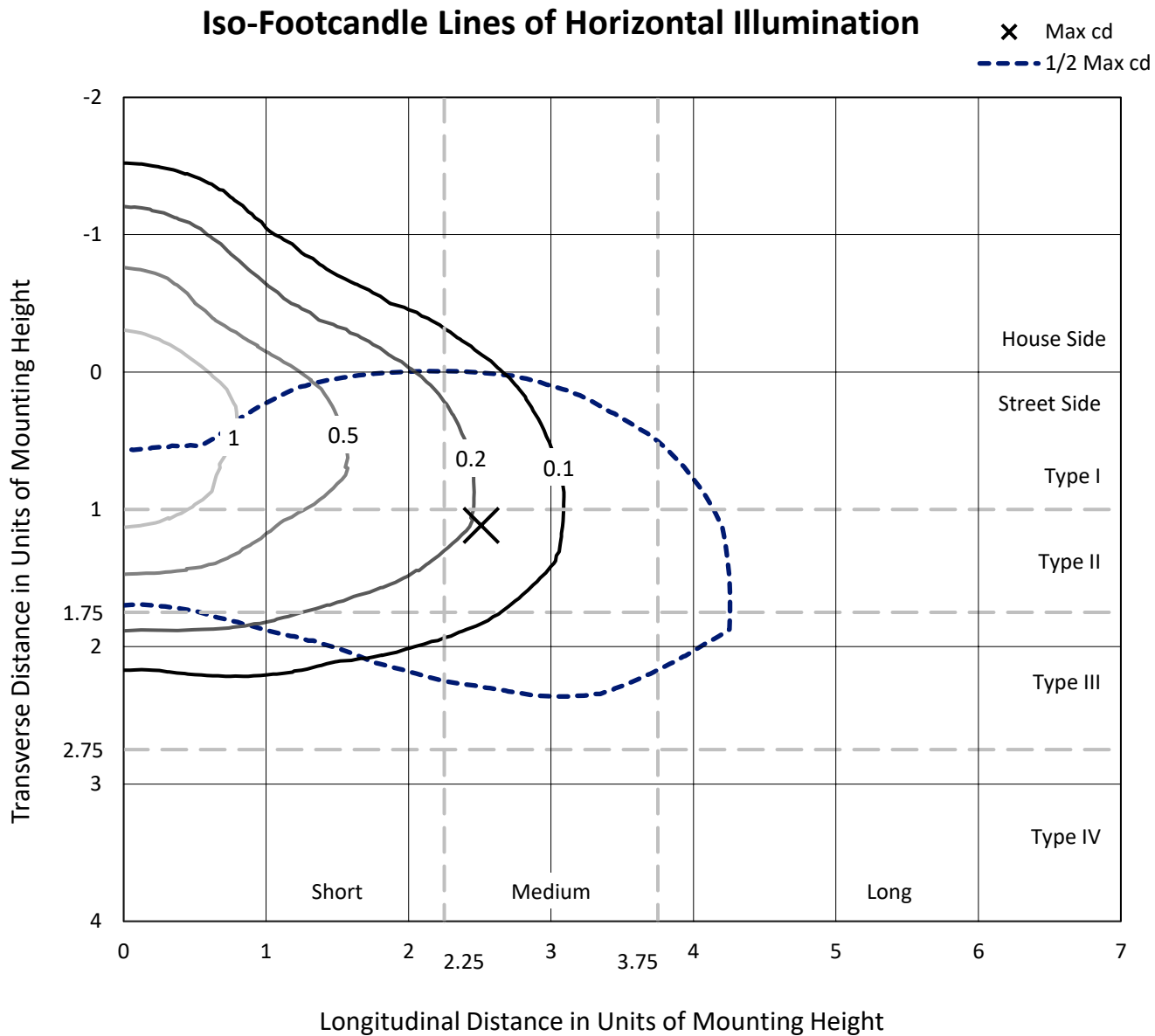
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5313 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 42.1
Input Voltage (V): 120.0
Input Current (Ain): 0.352
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 7.54%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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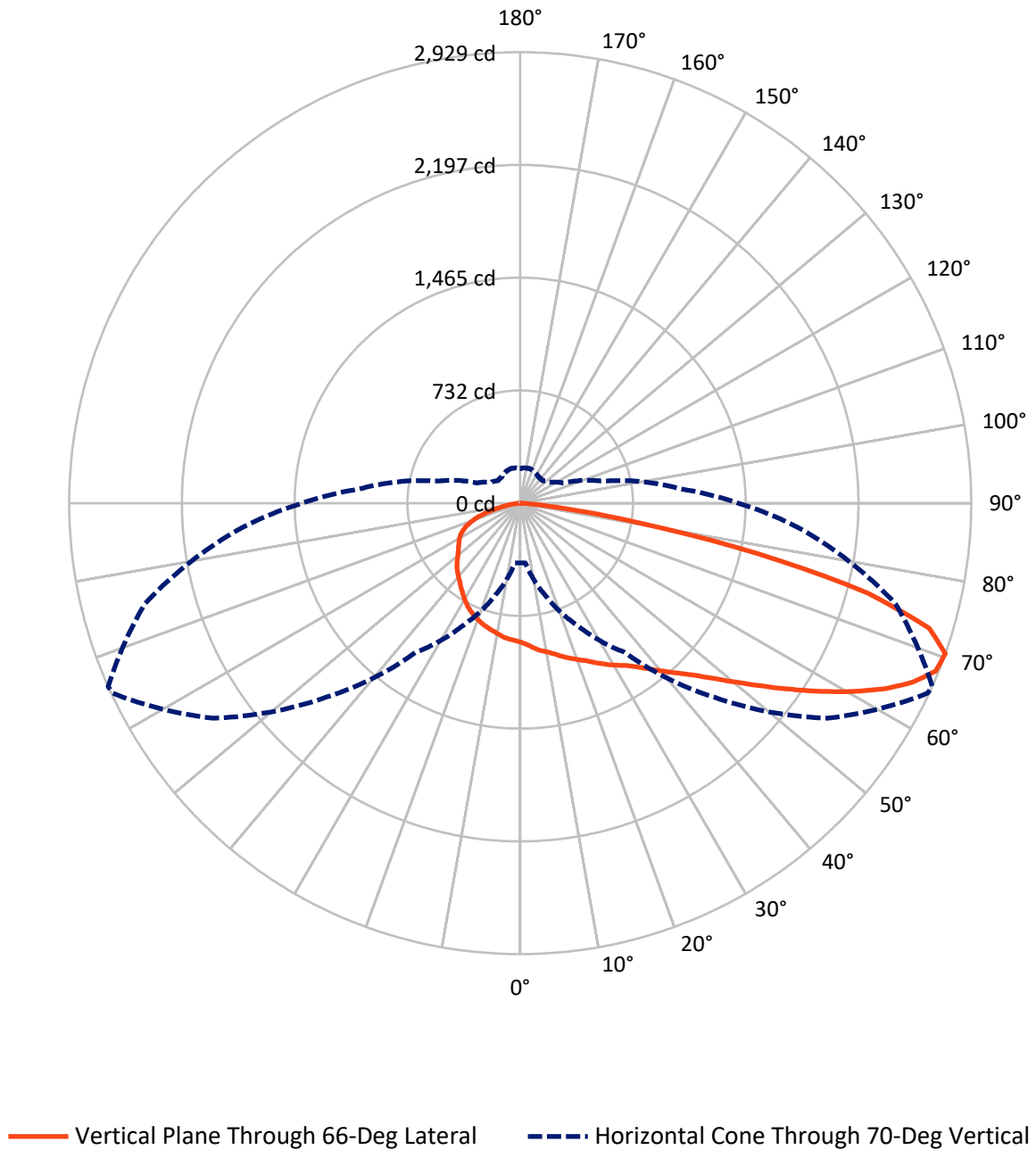


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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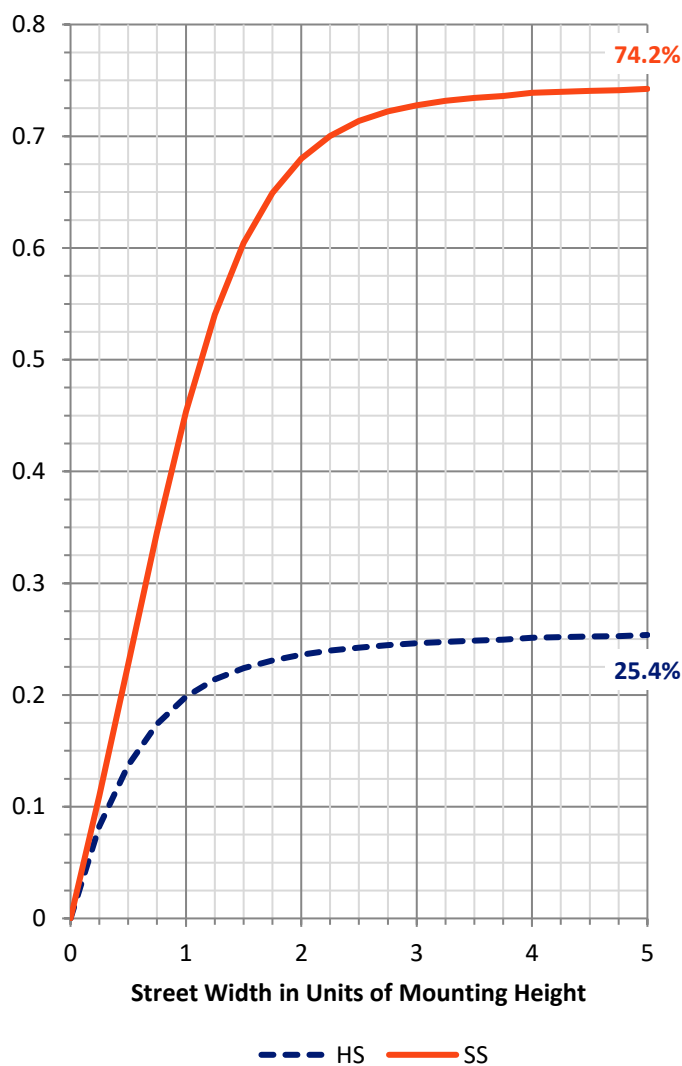
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1362.0	0.0	1362.0
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	3951.0	0.0	3951.0
	% Fixture	74.4	0.0	74.4
Total	Lumens	5313.0	0.0	5313.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.9	1.6
10°-20°	260.0	4.9
20°-30°	439.8	8.3
30°-40°	667.8	12.6
40°-50°	910.7	17.1
50°-60°	1083.0	20.4
60°-70°	1108.6	20.9
70°-80°	682.7	12.8
80°-90°	73.5	1.4
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°	5313.0	100.0
0°-180°	5313.0	100.0

Coefficient of Utilization



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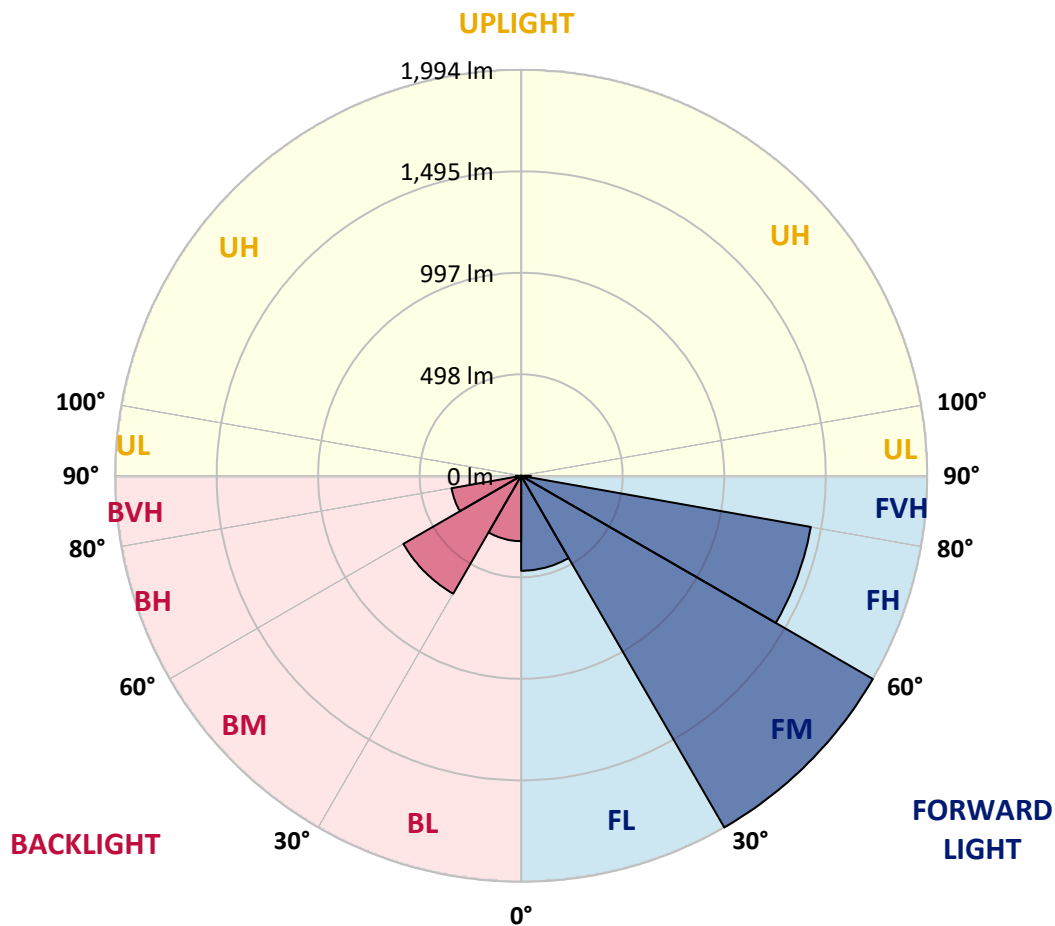
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	465.9	8.8			
FM	(30°-60°)	1993.6	37.5			
FH	(60°-80°)	1444.2	27.2			G1/1800
FVH	(80°-90°)	47.4	0.9			G1/100
BL	(0°-30°)	320.8	6.0	B1/500		
BM	(30°-60°)	668.0	12.6	B1/1000		
BH	(60°-80°)	347.2	6.5	B1/500		G1/500
BVH	(80°-90°)	26.0	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	903.7	903.7	903.7	903.7	903.7	903.7	903.7	903.7	903.7	903.7	903.7
2.5°	927.5	930.5	936.4	931.9	934.9	927.5	921.5	923.0	921.5	915.6	900.8
5°	964.6	966.1	975.0	969.0	967.6	961.6	949.7	945.3	945.3	933.4	911.2
7.5°	997.2	998.7	1007.6	998.7	998.7	988.3	976.5	967.6	967.6	948.3	920.1
10°	1018.0	1019.5	1026.9	1023.9	1025.4	1012.1	997.2	985.4	983.9	963.1	926.0
12.5°	1041.8	1043.2	1053.6	1049.2	1050.7	1041.8	1025.4	1007.6	1006.1	980.9	934.9
15°	1062.5	1064.0	1072.9	1072.9	1078.9	1068.5	1055.1	1037.3	1034.3	1001.7	946.8
17.5°	1075.9	1077.4	1090.7	1093.7	1102.6	1096.7	1084.8	1064.0	1059.6	1022.5	958.6
20°	1090.7	1093.7	1105.6	1108.5	1121.9	1121.9	1111.5	1089.2	1084.8	1041.8	970.5
22.5°	1120.4	1126.3	1133.8	1132.3	1144.1	1145.6	1138.2	1118.9	1113.0	1067.0	985.4
25°	1199.1	1208.0	1208.0	1187.2	1184.2	1176.8	1169.4	1154.5	1148.6	1099.6	1004.7
27.5°	1337.1	1335.6	1326.7	1283.6	1245.1	1218.3	1208.0	1191.6	1185.7	1129.3	1023.9
30°	1484.0	1482.5	1470.6	1406.8	1332.6	1264.3	1246.5	1228.7	1221.3	1157.5	1041.8
32.5°	1625.0	1623.5	1616.1	1541.9	1433.5	1325.2	1295.5	1268.8	1256.9	1191.6	1067.0
35°	1740.7	1740.7	1734.8	1659.1	1524.0	1402.4	1351.9	1316.3	1305.9	1236.2	1105.6
37.5°	1846.1	1847.6	1843.1	1760.0	1605.7	1476.6	1420.2	1380.1	1366.7	1291.1	1147.1
40°	1993.0	1982.6	1976.7	1862.4	1682.8	1544.8	1492.9	1451.3	1435.0	1344.5	1182.7
42.5°	2105.8	2119.1	2070.1	1952.9	1760.0	1608.6	1567.1	1527.0	1509.2	1405.3	1228.7
45°	2148.8	2139.9	2104.3	2004.9	1880.2	1672.4	1644.2	1614.6	1595.3	1482.5	1288.1
47.5°	2166.6	2148.8	2102.8	2034.5	1994.5	1752.6	1730.3	1722.9	1702.1	1574.5	1356.4
50°	2123.6	2105.8	2088.0	2050.9	2034.5	1823.8	1823.8	1852.0	1829.7	1678.4	1432.0
52.5°	2010.8	2006.3	2024.1	2043.4	1994.5	1872.8	1933.6	1994.5	1973.7	1794.1	1513.7
55°	1803.0	1809.0	1906.9	1987.0	1964.8	1914.3	2052.3	2156.2	2134.0	1923.2	1593.8
57.5°	1627.9	1625.0	1709.5	1899.5	1926.2	1967.8	2184.4	2331.3	2306.1	2059.8	1673.9
60°	1426.1	1426.1	1524.0	1752.6	1875.7	2018.2	2319.5	2509.4	2484.2	2202.2	1757.0
62.5°	1162.0	1157.5	1328.2	1556.7	1786.7	2046.4	2436.7	2675.6	2654.8	2335.8	1819.4
65°	880.0	877.0	1104.1	1369.7	1650.2	2030.1	2518.3	2813.6	2803.2	2450.0	1863.9
67.5°	578.8	581.7	851.8	1148.6	1454.3	1951.4	2530.2	2914.5	2910.1	2521.3	1869.8
70°	387.3	388.8	615.9	875.5	1182.7	1782.3	2435.2	2920.5	2929.4	2522.8	1811.9
72.5°	277.5	280.5	430.4	620.3	825.1	1473.6	2227.4	2748.3	2778.0	2374.4	1623.5
75°	192.9	195.9	282.0	387.3	492.7	994.3	1801.5	2279.4	2332.8	2001.9	1316.3
77.5°	130.6	129.1	157.3	252.3	293.8	538.7	1127.8	1518.1	1580.4	1347.5	930.5
80°	99.4	97.9	103.9	138.0	148.4	228.5	488.2	731.6	793.9	621.8	430.4
82.5°	66.8	63.8	66.8	78.7	75.7	96.5	136.5	247.8	284.9	284.9	189.9
85°	31.2	31.2	35.6	37.1	31.2	38.6	40.1	47.5	54.9	56.4	41.6
87.5°	3.0	3.0	4.5	4.5	3.0	4.5	4.5	4.5	4.5	4.5	4.5
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°	903.7	903.7	903.7	903.7	903.7	903.7	903.7	903.7	903.7	903.7	903.7
2.5°	897.8	896.3	896.3	893.4	887.4	880.0	872.6	868.1	865.2	866.6	868.1
5°	906.7	902.3	893.4	885.9	874.1	859.2	850.3	841.4	837.0	839.9	842.9
7.5°	912.6	905.2	888.9	875.5	856.3	839.9	826.6	816.2	808.8	810.3	810.3
10°	914.1	900.8	880.0	859.2	834.0	813.2	796.9	785.0	779.1	777.6	779.1
12.5°	920.1	902.3	871.1	845.9	814.7	789.5	771.7	758.3	750.9	752.4	752.4
15°	926.0	903.7	866.6	832.5	796.9	770.2	749.4	736.1	728.6	730.1	728.6
17.5°	931.9	905.2	860.7	819.2	777.6	747.9	727.1	713.8	706.4	710.8	710.8
20°	937.9	906.7	850.3	802.8	756.8	725.7	706.4	691.5	684.1	691.5	691.5
22.5°	945.3	908.2	839.9	785.0	734.6	704.9	684.1	672.2	667.8	673.7	675.2
25°	957.2	909.7	831.0	765.7	712.3	681.1	664.8	658.9	657.4	666.3	669.3
27.5°	967.6	915.6	819.2	743.5	687.1	657.4	647.0	647.0	651.5	663.3	667.8
30°	977.9	915.6	805.8	716.8	657.4	629.2	627.7	636.6	644.0	655.9	661.9
32.5°	994.3	920.1	789.5	690.0	626.2	602.5	611.4	624.8	635.1	647.0	651.5
35°	1022.5	936.4	779.1	661.9	592.1	578.8	596.6	617.3	623.3	633.7	638.1
37.5°	1053.6	960.1	774.6	635.1	562.4	556.5	583.2	605.5	608.4	612.9	617.3
40°	1075.9	970.5	767.2	611.4	534.2	534.2	563.9	584.7	580.2	583.2	586.2
42.5°	1102.6	975.0	750.9	590.6	510.5	510.5	537.2	555.0	549.1	555.0	559.5
45°	1139.7	985.4	728.6	569.8	489.7	483.8	503.1	517.9	531.3	553.5	558.0
47.5°	1185.7	1007.6	709.3	543.1	470.4	451.1	463.0	488.2	506.0	529.8	534.2
50°	1236.2	1028.4	694.5	514.9	449.6	417.0	422.9	451.1	461.5	476.4	477.8
52.5°	1286.6	1047.7	681.1	491.2	425.9	376.9	387.3	415.5	421.4	430.4	430.4
55°	1337.1	1065.5	666.3	471.9	397.7	341.3	353.2	381.4	385.8	394.7	396.2
57.5°	1389.0	1084.8	657.4	454.1	365.1	316.1	325.0	350.2	357.6	365.1	365.1
60°	1432.0	1099.6	651.5	436.3	335.4	290.9	296.8	319.1	328.0	332.4	333.9
62.5°	1461.7	1107.0	645.5	415.5	308.7	267.1	271.6	293.8	304.2	307.2	307.2
65°	1478.0	1107.0	633.7	385.8	283.4	244.9	246.3	268.6	280.5	287.9	289.4
67.5°	1469.1	1095.2	604.0	353.2	259.7	225.6	227.0	246.3	258.2	265.6	265.6
70°	1417.2	1050.7	553.5	310.2	236.0	206.3	207.8	224.1	233.0	230.0	224.1
72.5°	1267.3	939.4	471.9	264.1	212.2	188.5	189.9	203.3	197.4	194.4	195.9
75°	1031.4	743.5	354.7	204.8	178.1	166.2	170.7	175.1	169.2	172.1	170.7
77.5°	706.4	482.3	243.4	148.4	142.5	139.5	148.4	148.4	143.9	148.4	143.9
80°	319.1	225.6	138.0	96.5	99.4	100.9	111.3	111.3	117.2	121.7	120.2
82.5°	139.5	112.8	74.2	56.4	60.8	66.8	75.7	83.1	93.5	97.9	96.5
85°	35.6	29.7	29.7	26.7	35.6	35.6	43.0	49.0	50.5	50.5	50.5
87.5°	4.5	4.5	5.9	5.9	8.9	7.4	10.4	8.9	8.9	11.9	13.4
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)