

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: P853340

Luminaire Tested: **CRTK-N-30-727-U-T3**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853340
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-30-727-U-T3
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4304 lumens
Efficiency: N/A
Efficacy: 133.3 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): 32.3
Input Voltage (V): 120.0
Input Current (Ain): 0.271
Voltage Rise (V): NR
Power Factor: 0.993
Total Harmonic Distortion (THDi): 10.1%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

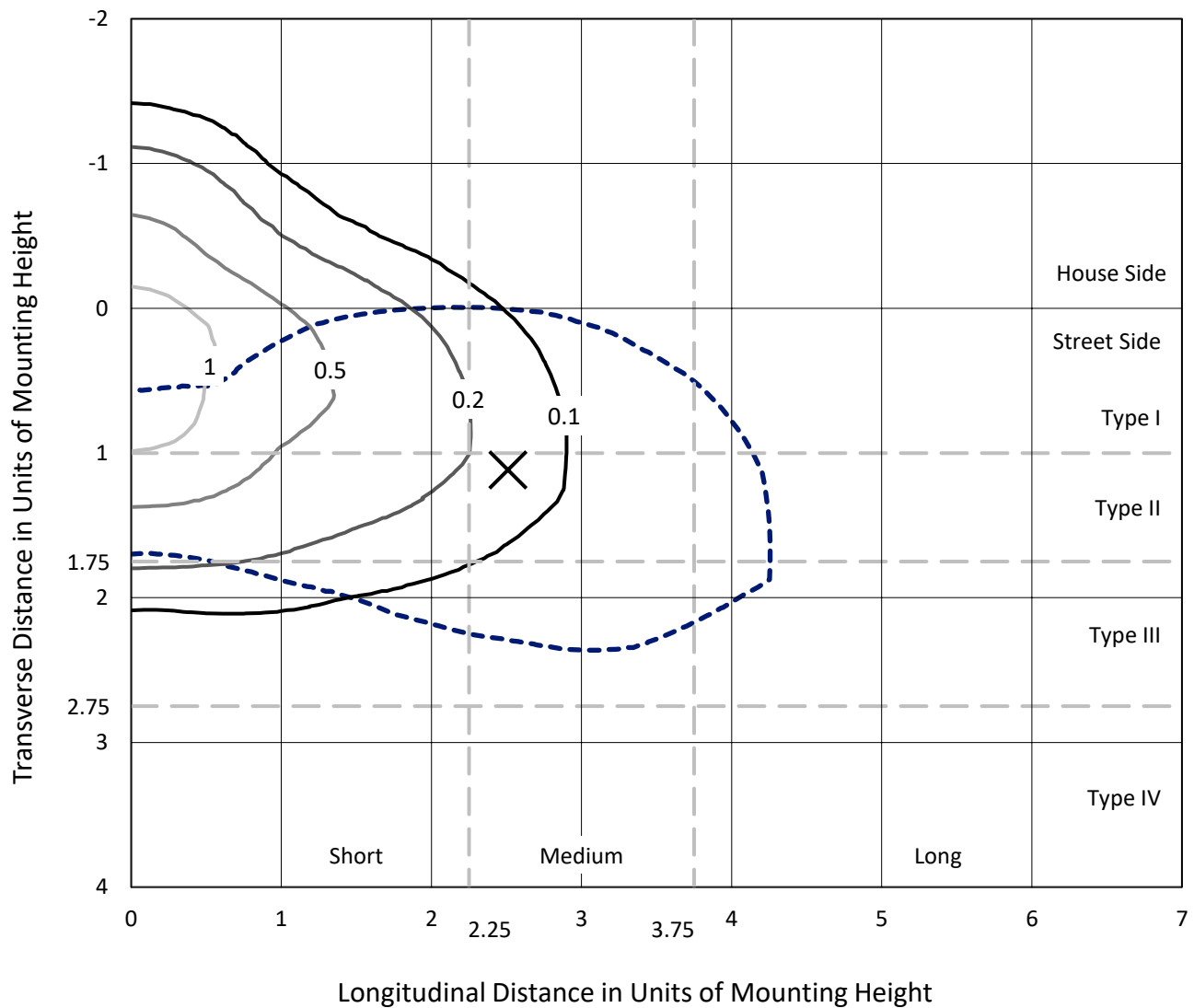


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Iso-Footcandle Lines of Horizontal Illumination

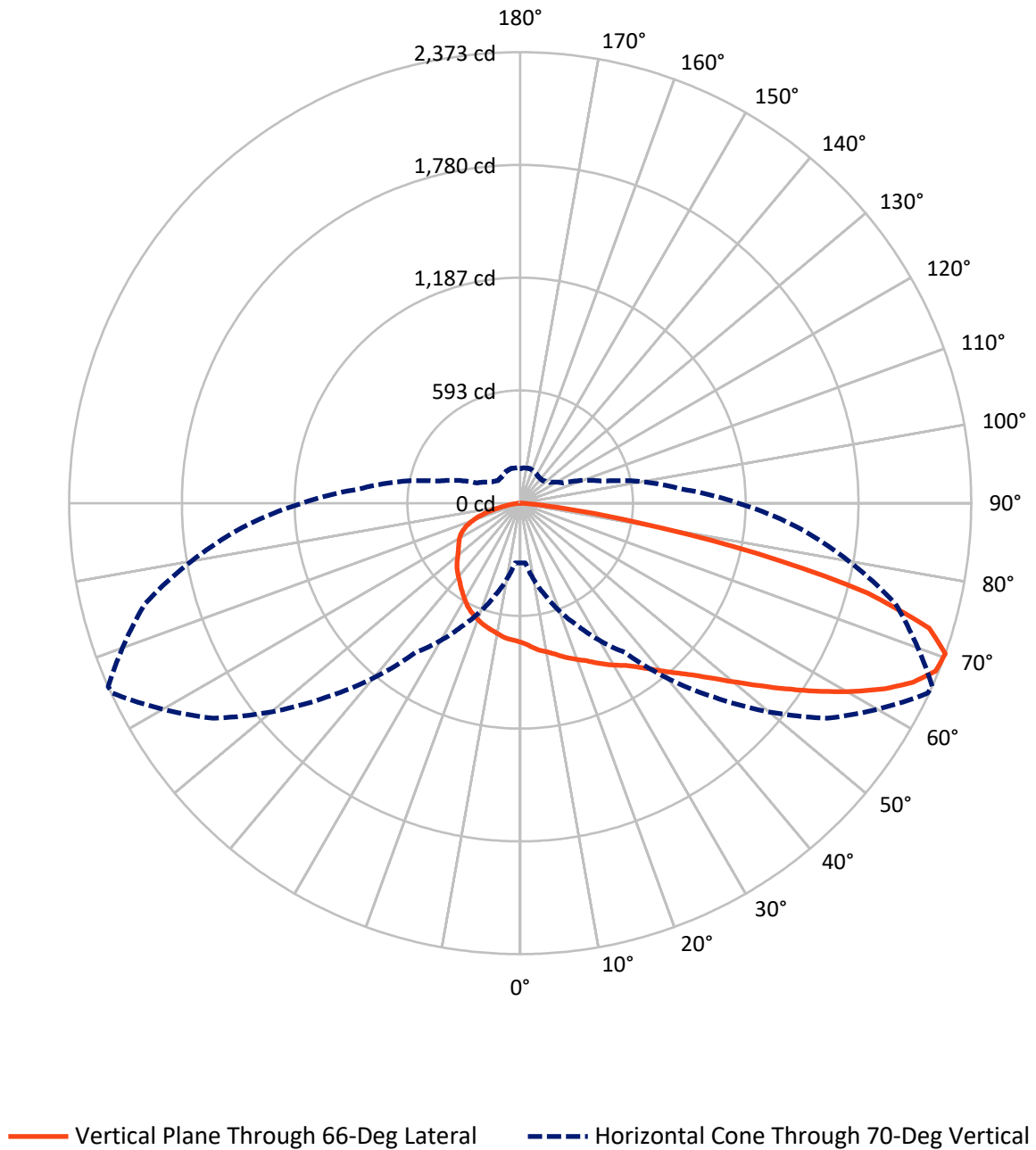
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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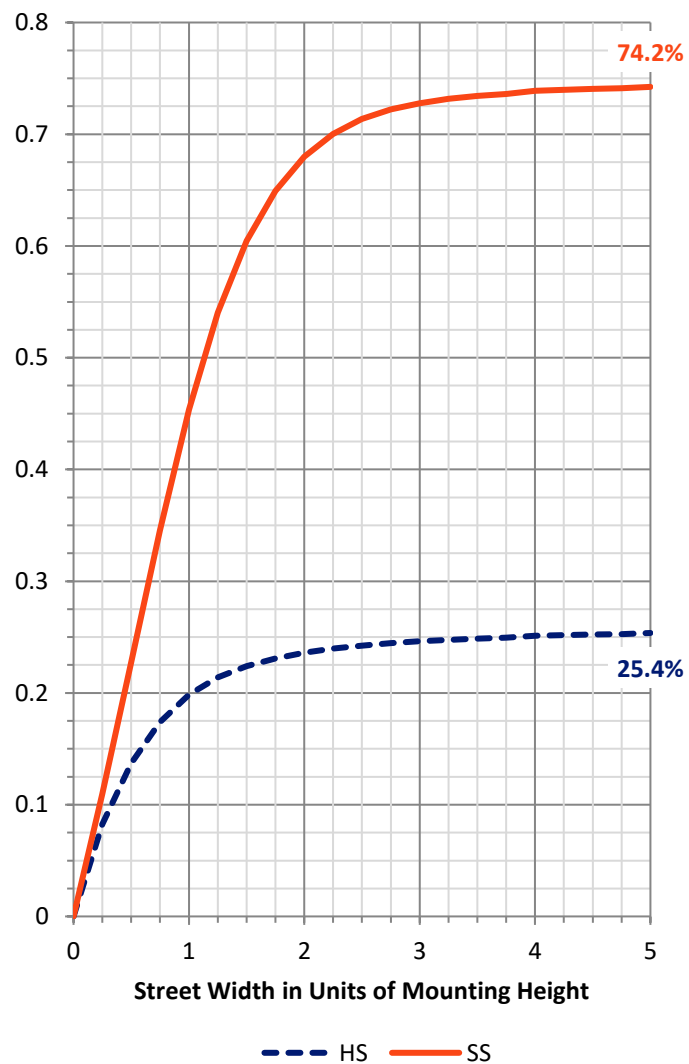
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1103.3	0.0	1103.3
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	3200.7	0.0	3200.7
	% Fixture	74.4	0.0	74.4
Total	Lumens	4304.0	0.0	4304.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	1.6
10°-20°	210.7	4.9
20°-30°	356.2	8.3
30°-40°	541.0	12.6
40°-50°	737.8	17.1
50°-60°	877.4	20.4
60°-70°	898.1	20.9
70°-80°	553.0	12.8
80°-90°	59.5	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°	4304.0	100.0
0°-180°	4304.0	100.0

Coefficient of Utilization



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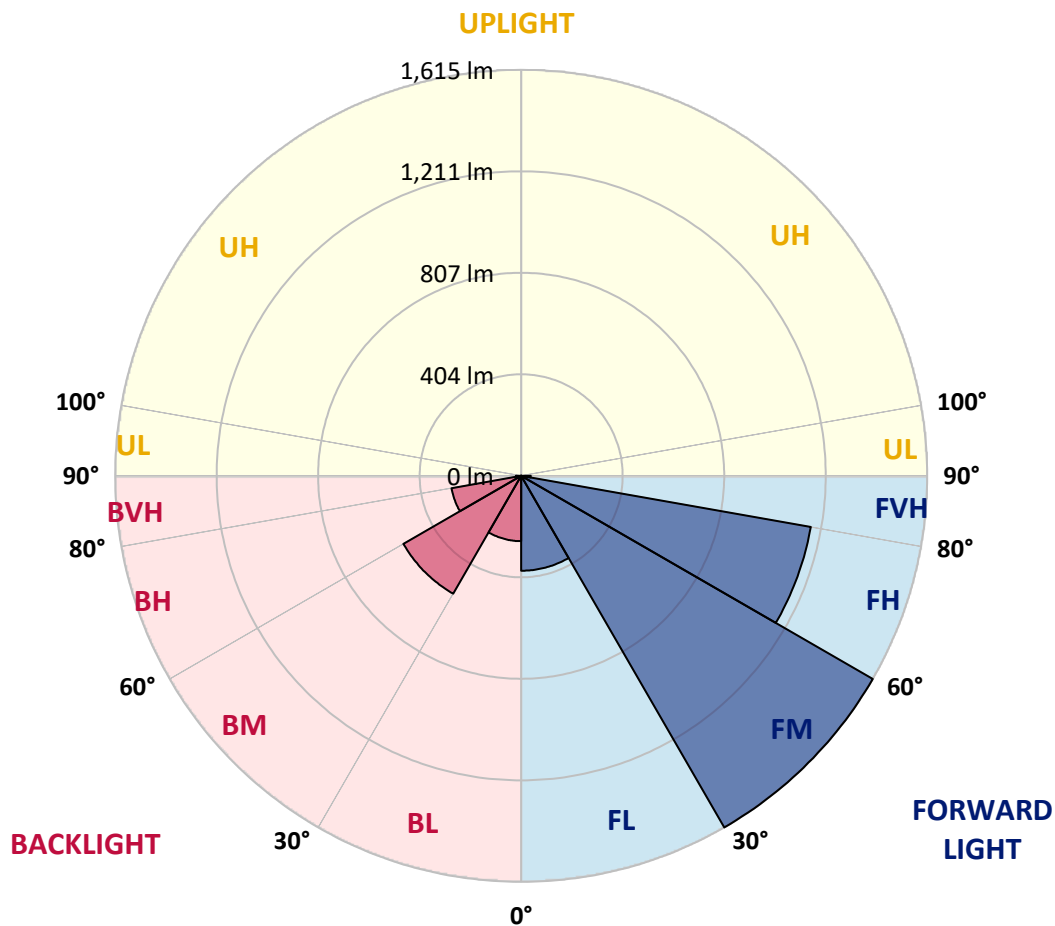
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	377.4	8.8			
FM	(30°-60°)	1615.0	37.5			
FH	(60°-80°)	1169.9	27.2			G1/1800
FVH	(80°-90°)	38.4	0.9			G1/100
BL	(0°-30°)	259.8	6.0	B1/500		
BM	(30°-60°)	541.1	12.6	B1/1000		
BH	(60°-80°)	281.2	6.5	B1/500		G1/500
BVH	(80°-90°)	21.1	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°	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1
2.5°	751.3	753.7	758.6	755.0	757.4	751.3	746.5	747.7	746.5	741.7	729.7
5°	781.4	782.6	789.8	785.0	783.8	779.0	769.4	765.8	765.8	756.2	738.1
7.5°	807.8	809.0	816.3	809.0	809.0	800.6	791.0	783.8	783.8	768.2	745.3
10°	824.7	825.9	831.9	829.5	830.7	819.9	807.8	798.2	797.0	780.2	750.1
12.5°	843.9	845.1	853.5	849.9	851.1	843.9	830.7	816.3	815.1	794.6	757.4
15°	860.7	861.9	869.2	869.2	874.0	865.5	854.7	840.3	837.9	811.5	767.0
17.5°	871.6	872.8	883.6	886.0	893.2	888.4	878.8	861.9	858.3	828.3	776.6
20°	883.6	886.0	895.6	898.0	908.8	908.8	900.4	882.4	878.8	843.9	786.2
22.5°	907.6	912.4	918.4	917.2	926.9	928.1	922.1	906.4	901.6	864.3	798.2
25°	971.3	978.6	978.6	961.7	959.3	953.3	947.3	935.3	930.5	890.8	813.9
27.5°	1083.1	1081.9	1074.7	1039.9	1008.6	987.0	978.6	965.3	960.5	914.8	829.5
30°	1202.2	1200.9	1191.3	1139.6	1079.5	1024.2	1009.8	995.4	989.4	937.7	843.9
32.5°	1316.4	1315.2	1309.1	1249.0	1161.3	1073.5	1049.5	1027.8	1018.2	965.3	864.3
35°	1410.1	1410.1	1405.3	1344.0	1234.6	1136.0	1095.2	1066.3	1057.9	1001.4	895.6
37.5°	1495.5	1496.7	1493.1	1425.8	1300.7	1196.1	1150.5	1118.0	1107.2	1045.9	929.3
40°	1614.5	1606.1	1601.3	1508.7	1363.2	1251.4	1209.4	1175.7	1162.5	1089.1	958.1
42.5°	1705.9	1716.7	1677.0	1582.0	1425.8	1303.1	1269.5	1237.0	1222.6	1138.4	995.4
45°	1740.7	1733.5	1704.7	1624.1	1523.1	1354.8	1332.0	1307.9	1292.3	1200.9	1043.5
47.5°	1755.1	1740.7	1703.4	1648.2	1615.7	1419.7	1401.7	1395.7	1378.9	1275.5	1098.8
50°	1720.3	1705.9	1691.4	1661.4	1648.2	1477.4	1477.4	1500.3	1482.3	1359.6	1160.1
52.5°	1628.9	1625.3	1639.7	1655.4	1615.7	1517.1	1566.4	1615.7	1598.9	1453.4	1226.2
55°	1460.6	1465.4	1544.8	1609.7	1591.6	1550.8	1662.6	1746.7	1728.7	1558.0	1291.1
57.5°	1318.8	1316.4	1384.9	1538.8	1560.4	1594.1	1769.6	1888.6	1868.1	1668.6	1356.0
60°	1155.3	1155.3	1234.6	1419.7	1519.5	1634.9	1879.0	2032.8	2012.4	1784.0	1423.3
62.5°	941.3	937.7	1075.9	1261.1	1447.4	1657.8	1973.9	2167.5	2150.7	1892.2	1473.8
65°	712.9	710.5	894.4	1109.6	1336.8	1644.5	2040.1	2279.3	2270.9	1984.8	1509.9
67.5°	468.8	471.2	690.0	930.5	1178.1	1580.8	2049.7	2361.0	2357.4	2042.5	1514.7
70°	313.8	315.0	498.9	709.3	958.1	1443.8	1972.7	2365.8	2373.0	2043.7	1467.8
72.5°	224.8	227.2	348.6	502.5	668.4	1193.7	1804.4	2226.4	2250.4	1923.4	1315.2
75°	156.3	158.7	228.4	313.8	399.1	805.4	1459.4	1846.5	1889.8	1621.7	1066.3
77.5°	105.8	104.6	127.4	204.4	238.0	436.4	913.6	1229.8	1280.3	1091.6	753.7
80°	80.5	79.3	84.2	111.8	120.2	185.1	395.5	592.7	643.2	503.7	348.6
82.5°	54.1	51.7	54.1	63.7	61.3	78.1	110.6	200.8	230.8	230.8	153.9
85°	25.2	25.2	28.9	30.1	25.2	31.3	32.5	38.5	44.5	45.7	33.7
87.5°	2.4	2.4	3.6	3.6	2.4	3.6	3.6	3.6	3.6	3.6	3.6
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°	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1	732.1
2.5°	727.3	726.1	726.1	723.7	718.9	712.9	706.9	703.3	700.9	702.1	703.3
5°	734.5	730.9	723.7	717.7	708.1	696.0	688.8	681.6	678.0	680.4	682.8
7.5°	739.3	733.3	720.1	709.3	693.6	680.4	669.6	661.2	655.2	656.4	656.4
10°	740.5	729.7	712.9	696.0	675.6	658.8	645.6	635.9	631.1	629.9	631.1
12.5°	745.3	730.9	705.7	685.2	660.0	639.5	625.1	614.3	608.3	609.5	609.5
15°	750.1	732.1	702.1	674.4	645.6	623.9	607.1	596.3	590.3	591.5	590.3
17.5°	755.0	733.3	697.2	663.6	629.9	605.9	589.1	578.2	572.2	575.8	575.8
20°	759.8	734.5	688.8	650.4	613.1	587.9	572.2	560.2	554.2	560.2	560.2
22.5°	765.8	735.7	680.4	635.9	595.1	571.0	554.2	544.6	541.0	545.8	547.0
25°	775.4	736.9	673.2	620.3	577.0	551.8	538.6	533.8	532.6	539.8	542.2
27.5°	783.8	741.7	663.6	602.3	556.6	532.6	524.1	524.1	527.7	537.4	541.0
30°	792.2	741.7	652.8	580.6	532.6	509.7	508.5	515.7	521.7	531.4	536.2
32.5°	805.4	745.3	639.5	559.0	507.3	488.1	495.3	506.1	514.5	524.1	527.7
35°	828.3	758.6	631.1	536.2	479.7	468.8	483.3	500.1	504.9	513.3	516.9
37.5°	853.5	777.8	627.5	514.5	455.6	450.8	472.4	490.5	492.9	496.5	500.1
40°	871.6	786.2	621.5	495.3	432.8	432.8	456.8	473.6	470.0	472.4	474.9
42.5°	893.2	789.8	608.3	478.5	413.5	413.5	435.2	449.6	444.8	449.6	453.2
45°	923.3	798.2	590.3	461.6	396.7	391.9	407.5	419.6	430.4	448.4	452.0
47.5°	960.5	816.3	574.6	440.0	381.1	365.5	375.1	395.5	409.9	429.2	432.8
50°	1001.4	833.1	562.6	417.1	364.3	337.8	342.6	365.5	373.9	385.9	387.1
52.5°	1042.3	848.7	551.8	397.9	345.0	305.3	313.8	336.6	341.4	348.6	348.6
55°	1083.1	863.1	539.8	382.3	322.2	276.5	286.1	309.0	312.6	319.8	321.0
57.5°	1125.2	878.8	532.6	367.9	295.7	256.1	263.3	283.7	289.7	295.7	295.7
60°	1160.1	890.8	527.7	353.4	271.7	235.6	240.4	258.5	265.7	269.3	270.5
62.5°	1184.1	896.8	522.9	336.6	250.0	216.4	220.0	238.0	246.4	248.8	248.8
65°	1197.3	896.8	513.3	312.6	229.6	198.4	199.6	217.6	227.2	233.2	234.4
67.5°	1190.1	887.2	489.3	286.1	210.4	182.7	183.9	199.6	209.2	215.2	215.2
70°	1148.1	851.1	448.4	251.2	191.1	167.1	168.3	181.5	188.7	186.3	181.5
72.5°	1026.6	761.0	382.3	214.0	171.9	152.7	153.9	164.7	159.9	157.5	158.7
75°	835.5	602.3	287.3	165.9	144.3	134.6	138.2	141.9	137.0	139.4	138.2
77.5°	572.2	390.7	197.2	120.2	115.4	113.0	120.2	120.2	116.6	120.2	116.6
80°	258.5	182.7	111.8	78.1	80.5	81.7	90.2	90.2	95.0	98.6	97.4
82.5°	113.0	91.4	60.1	45.7	49.3	54.1	61.3	67.3	75.7	79.3	78.1
85°	28.9	24.0	24.0	21.6	28.9	28.9	34.9	39.7	40.9	40.9	40.9
87.5°	3.6	3.6	4.8	4.8	7.2	6.0	8.4	7.2	7.2	9.6	10.8
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)