

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: P853346

Luminaire Tested: **CRTK-N-30-730-U-T2R**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853346
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-30-730-U-T2R
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4477 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - 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



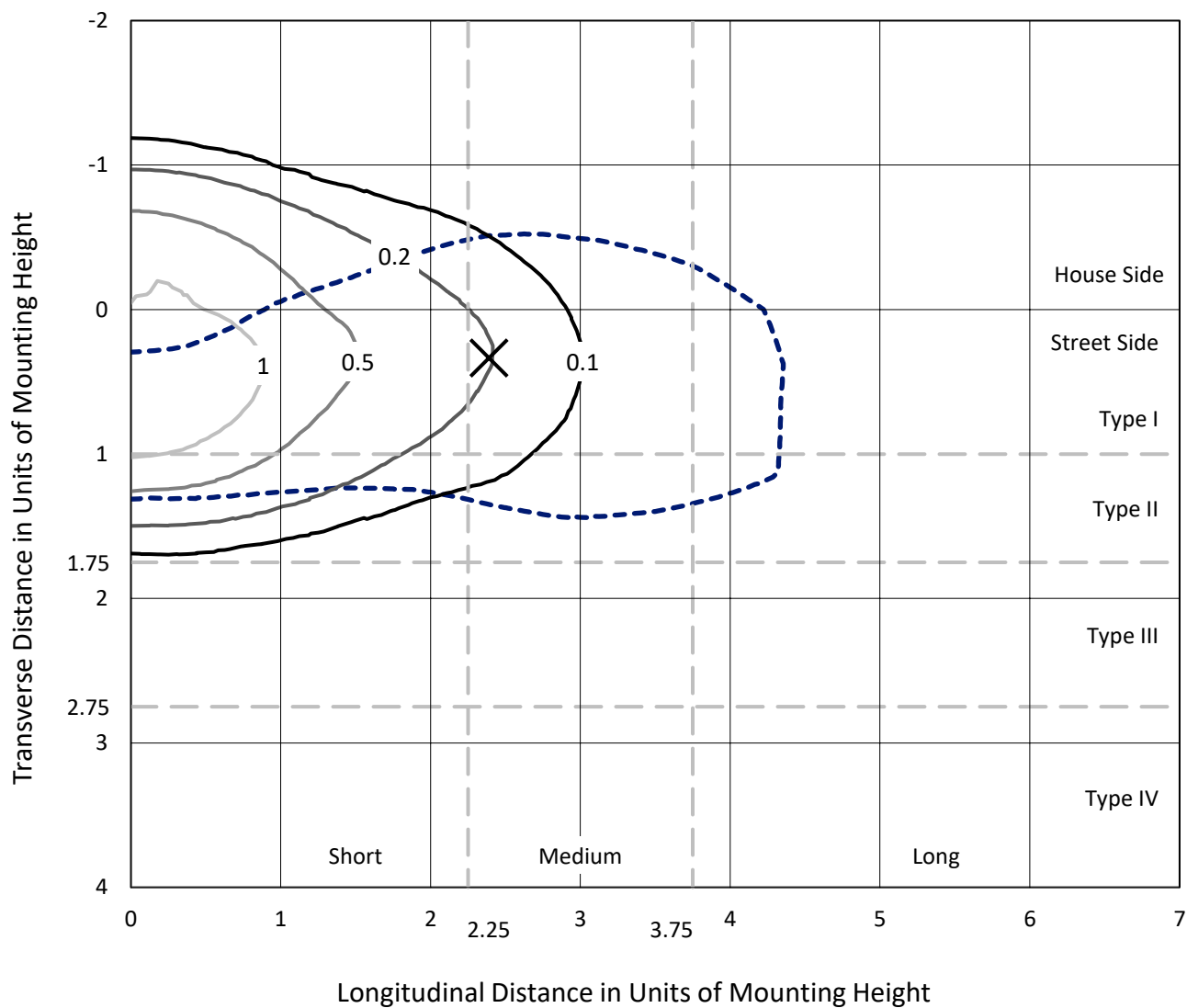
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

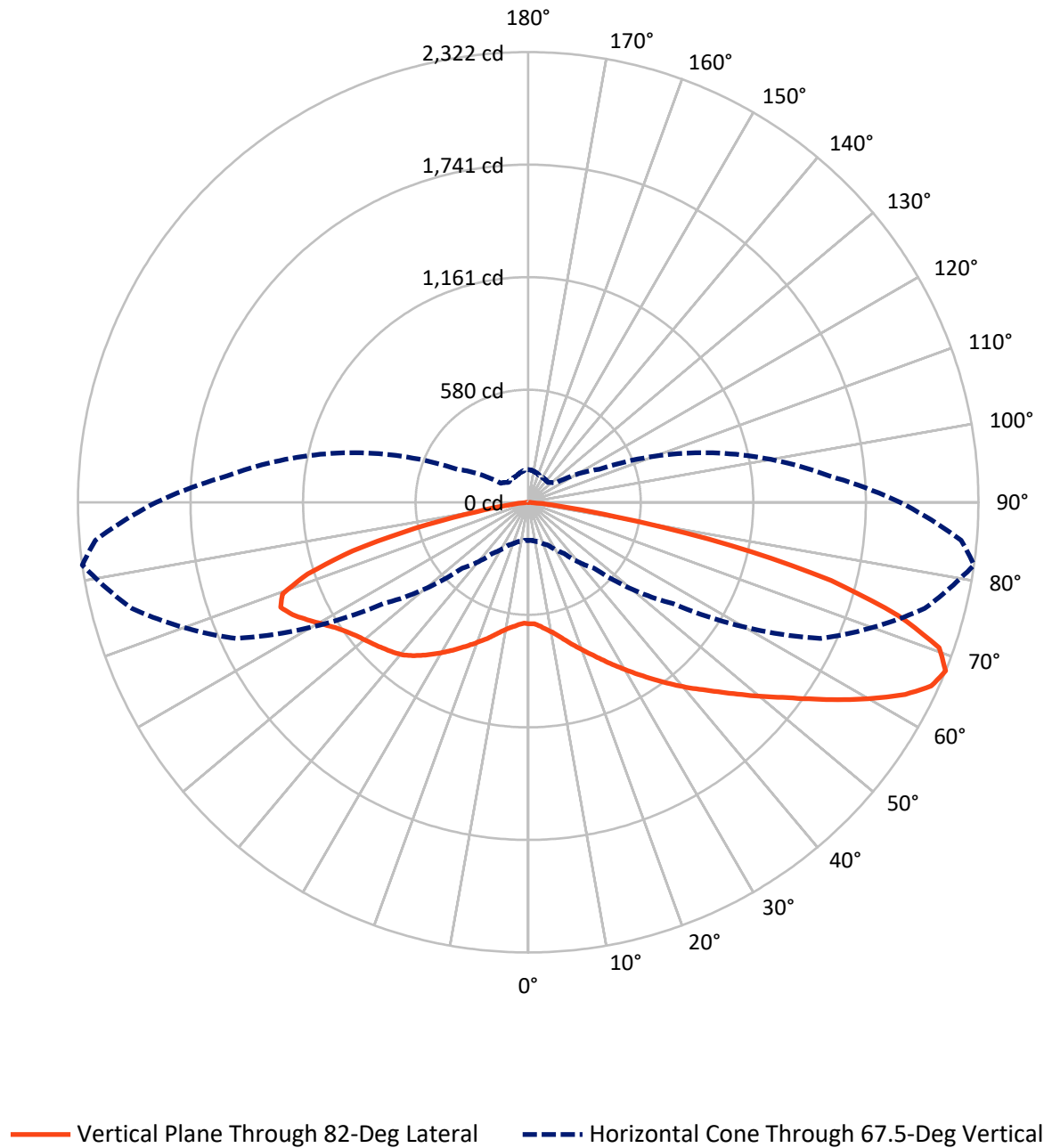


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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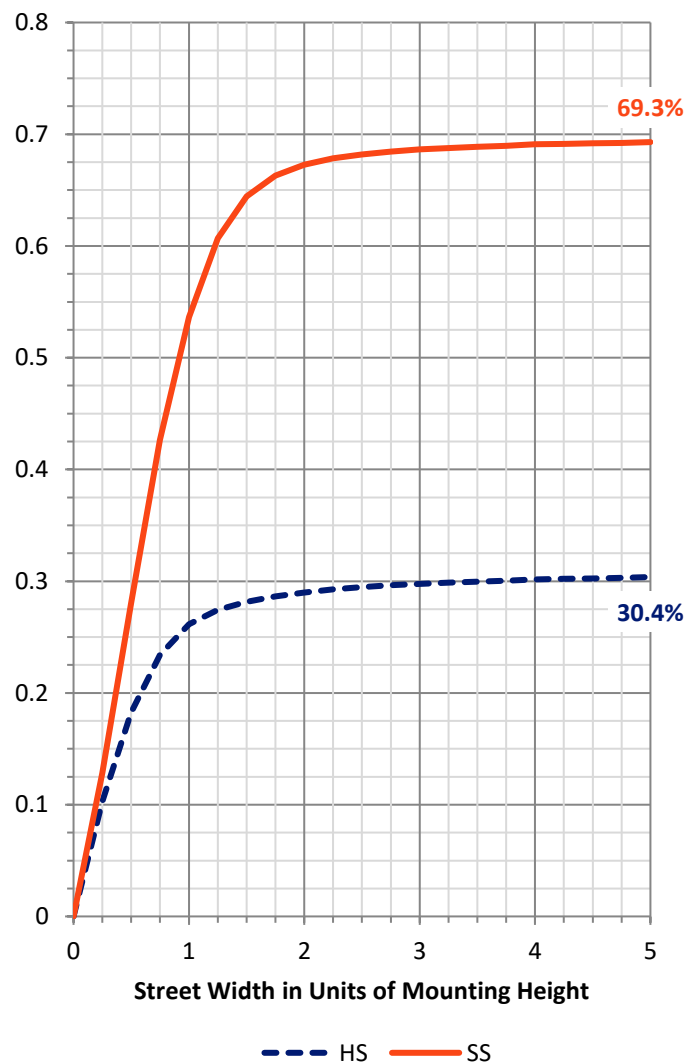
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1372.2	0.0	1372.2
	% Fixture	30.6	0.0	30.6
Street Side	Lumens	3104.8	0.0	3104.8
	% Fixture	69.4	0.0	69.4
Total	Lumens	4477.0	0.0	4477.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.8	1.4
10°-20°	233.5	5.2
20°-30°	469.6	10.5
30°-40°	740.1	16.5
40°-50°	906.9	20.3
50°-60°	863.4	19.3
60°-70°	724.5	16.2
70°-80°	428.9	9.6
80°-90°	45.3	1.0
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°	4477.0	100.0
0°-180°	4477.0	100.0

Coefficient of Utilization



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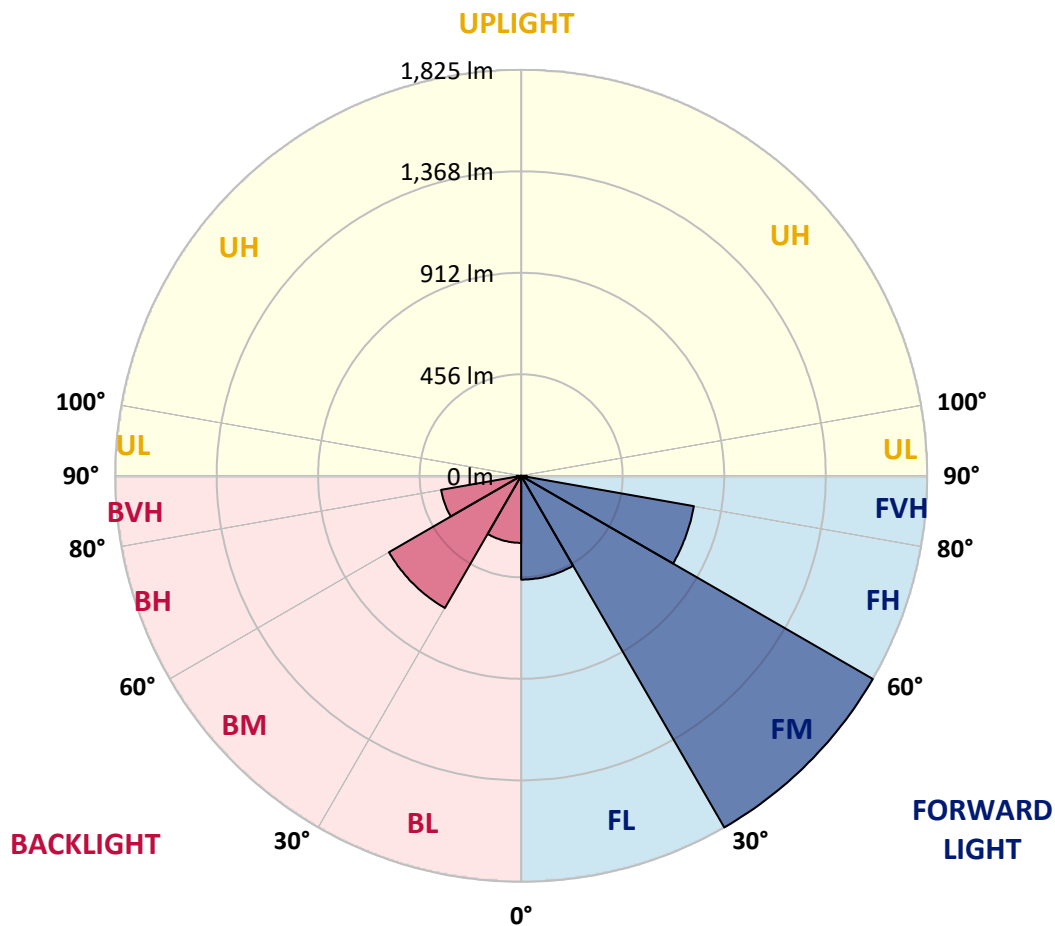
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	466.5	10.4			
FM	(30°-60°)	1824.5	40.8			
FH	(60°-80°)	788.1	17.6			G1/1800
FVH	(80°-90°)	25.7	0.6			G1/100
BL	(0°-30°)	301.4	6.7	B1/500		
BM	(30°-60°)	685.9	15.3	B1/1000		
BH	(60°-80°)	365.2	8.2	B1/500		G1/500
BVH	(80°-90°)	19.6	0.4			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	626.6	626.6	626.6	626.6	626.6	626.6	626.6	626.6	626.6	626.6	626.6
2.5°	655.2	656.5	658.9	656.5	655.2	650.2	645.2	642.8	637.8	627.8	625.3
5°	716.2	717.5	720.0	710.0	705.0	691.3	678.9	667.7	655.2	641.5	639.0
7.5°	791.0	796.0	792.2	777.3	762.3	742.4	721.2	701.3	678.9	661.4	656.5
10°	874.4	881.9	874.4	852.0	832.1	799.7	767.3	737.4	705.0	681.4	675.1
12.5°	972.8	974.1	970.4	939.2	911.8	867.0	822.1	782.3	739.9	708.8	700.1
15°	1080.0	1088.7	1076.2	1037.6	999.0	941.7	884.4	833.3	781.0	742.4	732.4
17.5°	1195.8	1199.6	1189.6	1142.3	1093.7	1021.4	950.4	886.9	823.4	778.5	766.1
20°	1316.6	1319.1	1306.7	1244.4	1190.8	1104.9	1020.2	943.0	868.2	815.9	799.7
22.5°	1441.2	1444.9	1422.5	1357.8	1291.7	1194.6	1094.9	1000.3	918.0	857.0	837.1
25°	1590.7	1590.7	1562.0	1484.8	1405.1	1294.2	1180.9	1070.0	972.8	903.1	878.2
27.5°	1743.9	1736.4	1711.5	1623.1	1527.2	1400.1	1273.0	1149.7	1035.1	952.9	924.3
30°	1882.2	1880.9	1851.0	1755.1	1645.5	1504.7	1364.0	1230.7	1101.1	1006.5	974.1
32.5°	1983.1	1984.3	1956.9	1868.5	1752.6	1606.9	1454.9	1310.4	1165.9	1062.5	1028.9
35°	2056.6	2056.6	2034.1	1955.7	1846.0	1704.0	1549.6	1395.1	1236.9	1123.6	1087.4
37.5°	2080.2	2075.2	2065.3	2005.5	1910.8	1786.3	1643.0	1484.8	1311.7	1187.1	1143.5
40°	2044.1	2034.1	2044.1	2008.0	1939.5	1844.8	1724.0	1575.7	1390.1	1254.4	1202.0
42.5°	1966.9	1953.2	1973.1	1955.7	1925.8	1874.7	1785.0	1661.7	1472.4	1321.6	1260.6
45°	1866.0	1847.3	1871.0	1867.2	1862.2	1866.0	1821.1	1737.7	1562.0	1396.4	1327.9
47.5°	1717.7	1690.3	1740.2	1760.1	1777.5	1817.4	1824.9	1798.7	1656.7	1482.3	1401.4
50°	1477.3	1456.2	1543.4	1616.8	1671.7	1738.9	1792.5	1833.6	1752.6	1574.5	1482.3
52.5°	1169.7	1147.2	1265.6	1416.3	1538.4	1643.0	1725.2	1841.1	1844.8	1672.9	1574.5
55°	850.8	858.2	967.9	1148.5	1356.5	1532.1	1640.5	1822.4	1929.5	1791.2	1686.6
57.5°	604.1	610.4	705.0	855.8	1121.1	1388.9	1560.8	1780.0	2010.5	1920.8	1816.1
60°	412.3	431.0	500.7	615.3	855.8	1192.1	1479.8	1729.0	2071.5	2051.6	1953.2
62.5°	302.7	312.7	356.3	442.2	610.4	943.0	1359.0	1692.8	2111.4	2182.4	2071.5
65°	235.4	240.4	265.3	322.6	437.2	686.4	1165.9	1685.4	2126.3	2284.5	2191.1
67.5°	196.8	196.8	210.5	244.1	321.4	480.8	911.8	1661.7	2116.4	2321.9	2240.9
70°	165.7	164.4	175.6	196.8	241.7	342.6	642.8	1549.6	2062.8	2248.4	2178.6
72.5°	134.5	134.5	149.5	163.2	189.3	249.1	421.0	1309.2	1900.9	1995.5	1944.5
75°	108.4	107.1	118.3	137.0	149.5	181.9	264.1	952.9	1619.3	1613.1	1558.3
77.5°	83.5	82.2	92.2	112.1	120.8	134.5	171.9	574.2	1123.6	1067.5	1071.3
80°	63.5	61.0	67.3	82.2	84.7	87.2	95.9	234.2	504.5	460.9	459.6
82.5°	39.9	39.9	42.4	52.3	49.8	51.1	43.6	78.5	178.1	152.0	157.0
85°	14.9	14.9	18.7	22.4	19.9	18.7	13.7	17.4	27.4	21.2	19.9
87.5°	1.2	1.2	1.2	2.5	2.5	2.5	1.2	1.2	1.2	1.2	2.5
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°	626.6	626.6	626.6	626.6	626.6	626.6	626.6	626.6	626.6	626.6	626.6
2.5°	624.1	624.1	624.1	625.3	621.6	619.1	615.3	612.9	612.9	614.1	616.6
5°	635.3	634.0	632.8	632.8	629.1	626.6	624.1	621.6	621.6	624.1	624.1
7.5°	650.2	647.7	644.0	644.0	641.5	639.0	637.8	635.3	636.5	637.8	639.0
10°	666.4	662.7	658.9	658.9	656.5	654.0	654.0	650.2	651.5	652.7	654.0
12.5°	688.8	685.1	677.6	680.1	677.6	675.1	672.6	668.9	666.4	668.9	668.9
15°	717.5	711.3	703.8	706.3	702.5	697.6	693.8	686.4	683.9	683.9	685.1
17.5°	747.4	739.9	729.9	732.4	726.2	717.5	708.8	700.1	696.3	695.1	695.1
20°	778.5	767.3	754.9	757.4	744.9	731.2	718.7	703.8	697.6	695.1	695.1
22.5°	809.7	797.2	781.0	778.5	759.8	738.7	718.7	700.1	688.8	686.4	685.1
25°	845.8	829.6	808.4	800.9	773.5	742.4	713.8	690.1	676.4	672.6	671.4
27.5°	885.7	864.5	837.1	819.6	781.0	738.7	701.3	672.6	656.5	650.2	650.2
30°	925.5	900.6	863.2	833.3	779.8	726.2	681.4	646.5	627.8	619.1	619.1
32.5°	970.4	936.7	888.1	839.6	771.1	706.3	654.0	614.1	591.7	581.7	580.5
35°	1018.9	977.8	909.3	842.1	757.4	681.4	622.8	579.2	556.8	544.3	543.1
37.5°	1070.0	1017.7	925.5	838.3	738.7	652.7	589.2	545.6	515.7	495.8	494.5
40°	1116.1	1055.1	938.0	828.4	715.0	621.6	554.3	495.8	454.7	432.2	429.7
42.5°	1158.4	1081.2	944.2	813.4	688.8	584.2	505.7	432.2	389.9	367.5	366.2
45°	1204.5	1108.6	943.0	796.0	654.0	541.9	444.7	370.0	332.6	313.9	312.7
47.5°	1254.4	1136.0	943.0	776.0	615.3	487.0	383.7	316.4	281.5	265.3	264.1
50°	1306.7	1165.9	939.2	752.4	570.5	422.3	323.9	265.3	237.9	225.5	225.5
52.5°	1369.0	1198.3	938.0	723.7	516.9	358.7	270.3	224.2	203.0	196.8	196.8
55°	1443.7	1238.2	940.5	688.8	454.7	296.5	228.0	195.6	183.1	180.6	180.6
57.5°	1537.1	1289.2	947.9	650.2	386.1	242.9	196.8	179.4	175.6	174.4	174.4
60°	1641.8	1351.5	961.6	606.6	320.1	203.0	178.1	171.9	170.7	175.6	175.6
62.5°	1751.4	1421.3	984.1	550.6	261.6	175.6	166.9	164.4	165.7	174.4	174.4
65°	1853.5	1493.5	1002.7	485.8	210.5	159.4	157.0	157.0	163.2	173.1	173.1
67.5°	1918.3	1558.3	985.3	403.6	171.9	145.7	147.0	148.2	158.2	166.9	168.2
70°	1893.4	1554.6	883.2	305.2	142.0	133.3	137.0	139.5	145.7	158.2	161.9
72.5°	1720.2	1412.6	685.1	208.0	119.6	119.6	125.8	129.5	133.3	145.7	153.2
75°	1435.0	1144.7	457.2	137.0	99.7	108.4	114.6	115.8	119.6	130.8	134.5
77.5°	1004.0	747.4	251.6	92.2	78.5	88.4	95.9	100.9	105.9	110.9	113.4
80°	439.7	332.6	120.8	61.0	58.5	66.0	72.2	82.2	90.9	99.7	100.9
82.5°	144.5	117.1	54.8	34.9	34.9	42.4	48.6	61.0	71.0	84.7	84.7
85°	19.9	14.9	16.2	13.7	14.9	19.9	24.9	32.4	36.1	36.1	31.1
87.5°	2.5	2.5	2.5	2.5	2.5	3.7	3.7	3.7	2.5	2.5	1.2
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)