

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: P653158

Luminaire Tested: **GLAN-SA1D-840-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P653158
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1D-840-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3849.3 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

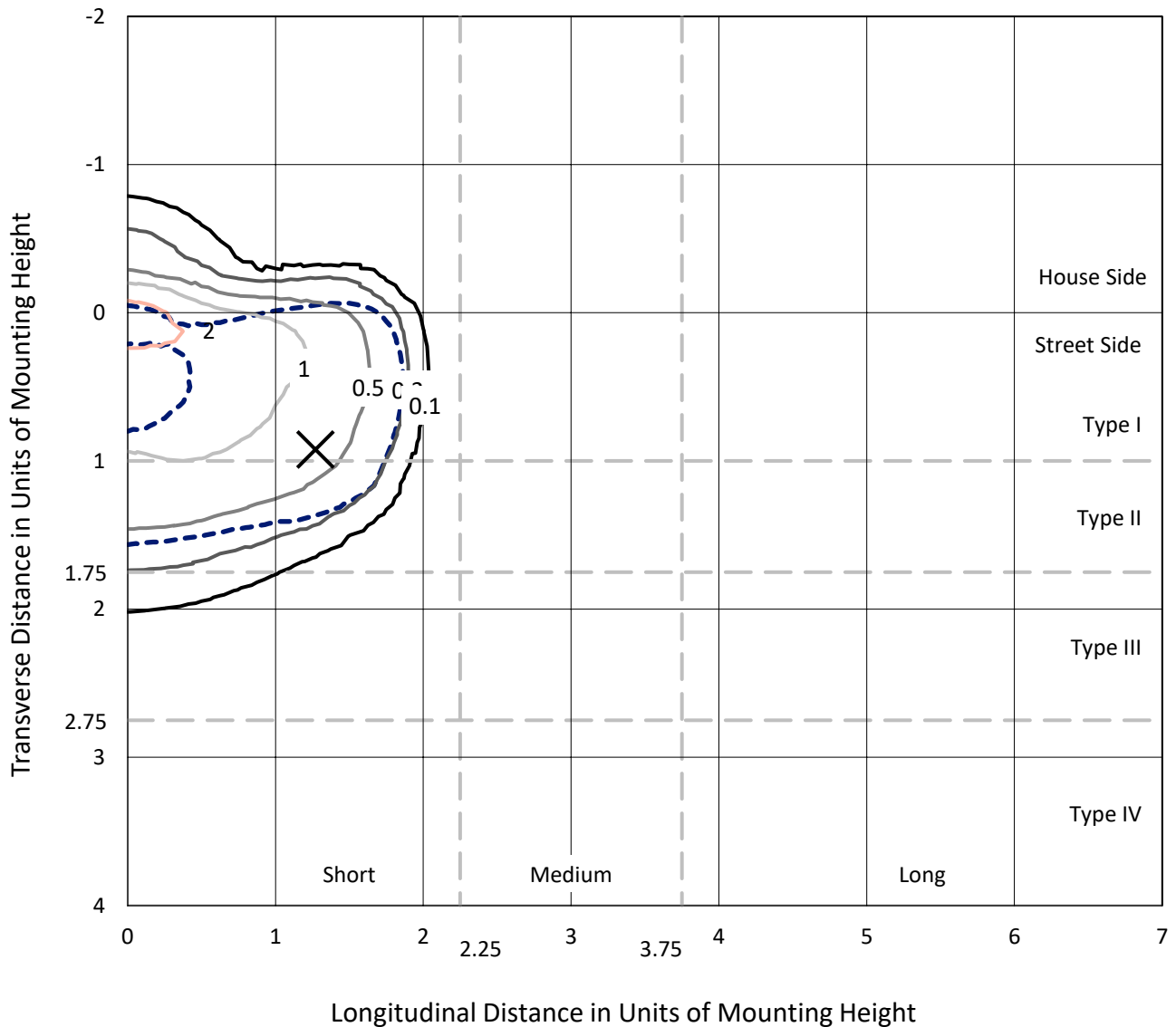
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

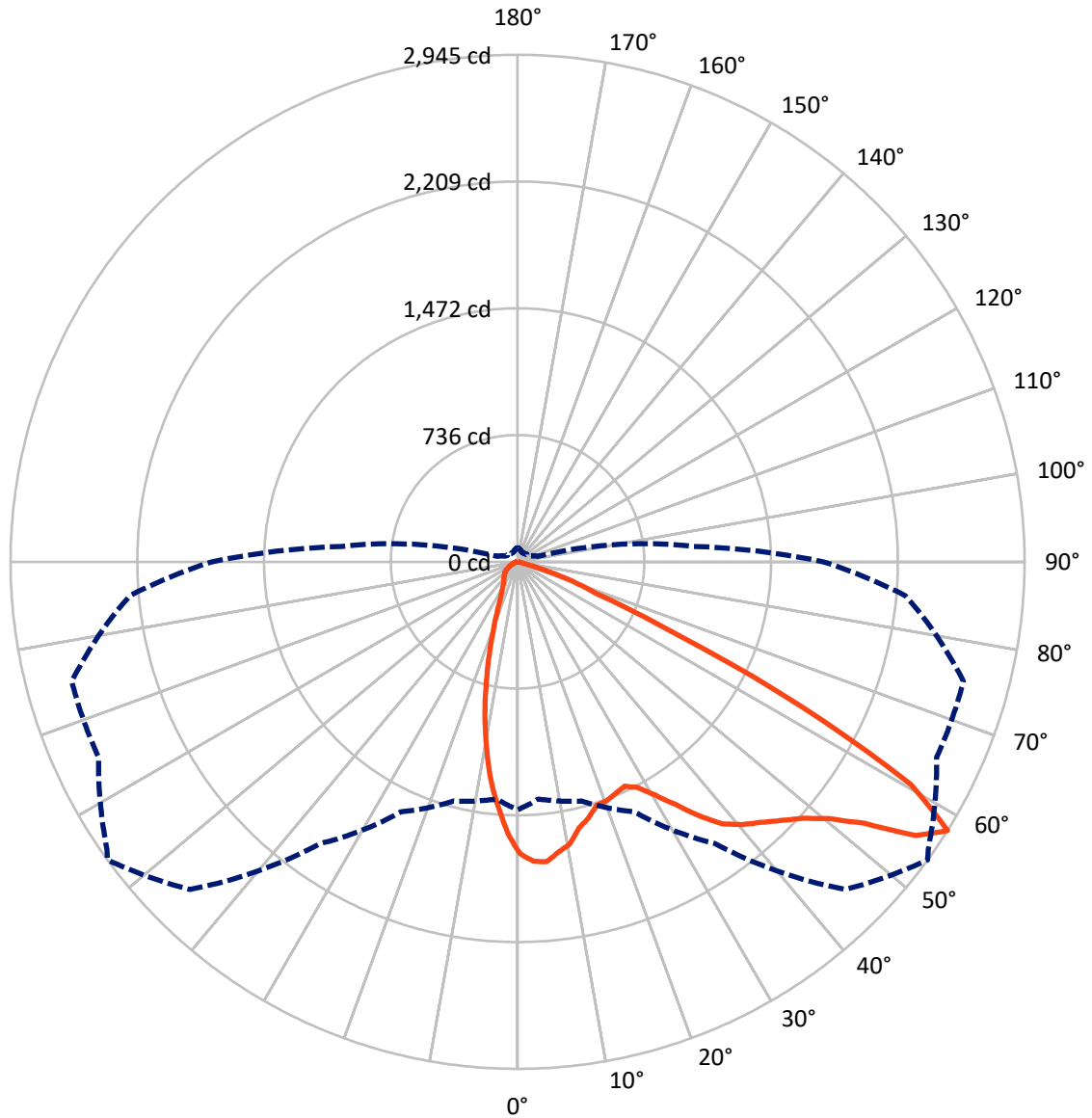
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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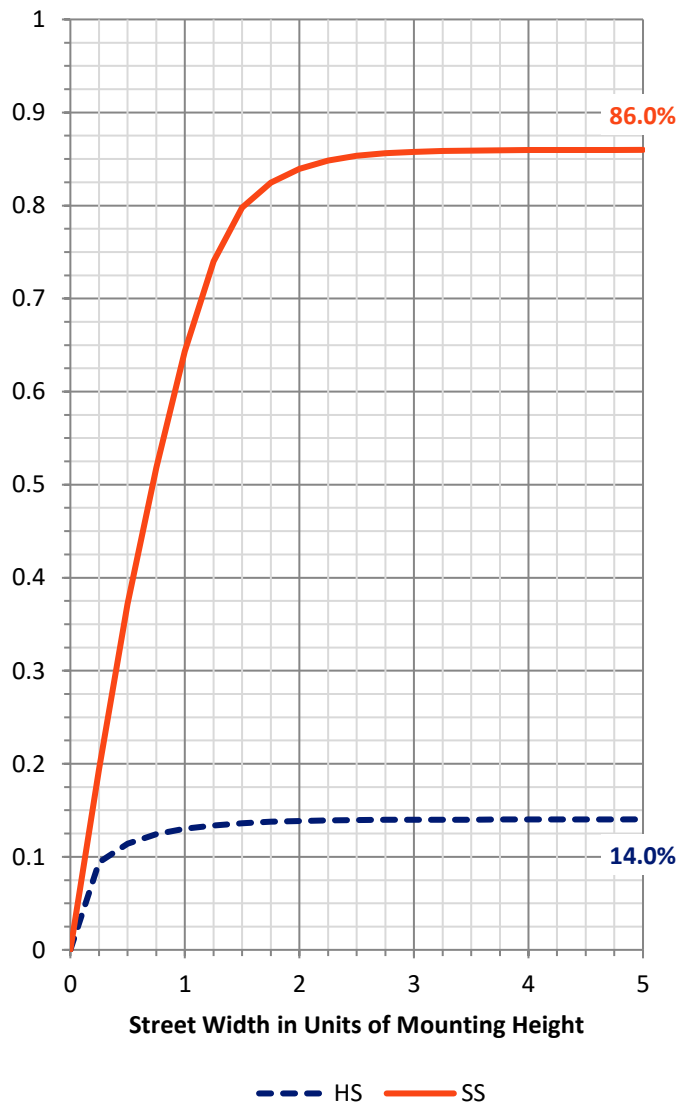
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	544.0	0.0	544.0
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	3305.3	0.0	3305.3
	% Fixture	85.9	0.0	85.9
Total	Lumens	3849.3	0.0	3849.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.9	3.7
10°-20°	302.9	7.9
20°-30°	401.5	10.4
30°-40°	583.4	15.2
40°-50°	865.2	22.5
50°-60°	1081.8	28.1
60°-70°	426.7	11.1
70°-80°	42.5	1.1
80°-90°	3.3	0.1
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°	3849.3	100.0
0°-180°	3849.3	100.0

Coefficient of Utilization

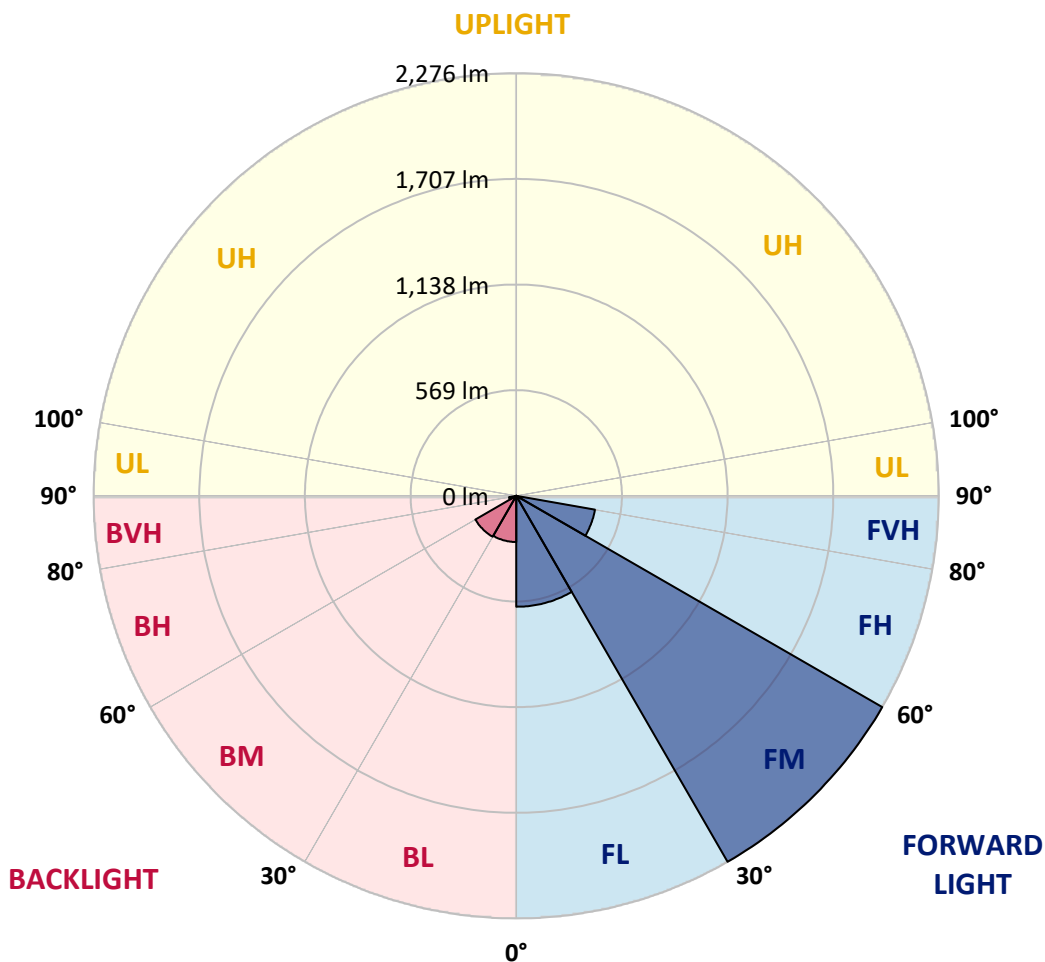


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	597.5	15.5			
FM (30°-60°)	2276.1	59.1			
FH (60°-80°)	430.2	11.2			G0/660
FVH (80°-90°)	1.5	0.0			G0/10
BL (0°-30°)	248.8	6.5	B1/500		
BM (30°-60°)	254.4	6.6	B1/1000		
BH (60°-80°)	39.0	1.0	B0/110		G0/110
BVH (80°-90°)	1.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6
2.5°	1794.4	1775.9	1777.3	1770.8	1762.2	1768.6	1740.7	1747.2	1746.5	1708.5	1683.5
5°	1749.4	1769.4	1748.6	1765.8	1749.4	1767.2	1750.0	1737.2	1716.4	1688.5	1642.0
7.5°	1672.7	1653.4	1659.1	1680.7	1684.2	1724.3	1702.8	1719.3	1710.7	1655.6	1591.8
10°	1518.8	1514.6	1543.2	1571.8	1606.9	1649.9	1666.3	1657.0	1650.5	1629.8	1544.7
12.5°	1400.8	1412.9	1412.2	1459.5	1518.8	1543.2	1586.1	1584.7	1620.5	1581.8	1500.3
15°	1288.4	1294.8	1324.9	1354.3	1420.1	1489.5	1542.5	1549.6	1592.6	1565.4	1465.9
17.5°	1219.7	1210.4	1234.0	1269.1	1336.3	1427.3	1486.0	1503.1	1561.8	1556.1	1426.5
20°	1151.7	1151.7	1171.0	1212.5	1274.0	1376.4	1480.9	1475.9	1561.8	1545.3	1384.3
22.5°	1128.8	1140.2	1145.2	1176.7	1249.7	1337.8	1459.5	1468.7	1573.9	1540.3	1365.7
25°	1160.2	1145.2	1146.6	1171.7	1240.4	1319.2	1443.7	1464.4	1596.1	1565.4	1350.6
27.5°	1165.3	1180.3	1184.6	1201.8	1247.5	1324.9	1483.1	1525.3	1651.3	1624.1	1354.9
30°	1208.9	1224.0	1223.2	1252.6	1284.1	1371.4	1571.1	1579.7	1765.1	1697.8	1381.4
32.5°	1261.9	1277.6	1282.7	1317.0	1342.1	1456.6	1678.5	1700.7	1874.6	1813.8	1450.9
35°	1327.8	1322.1	1344.9	1379.2	1433.0	1581.2	1809.5	1846.7	1992.7	1964.1	1522.5
37.5°	1410.0	1402.9	1425.1	1480.9	1553.9	1728.6	1930.4	1954.7	2078.6	2103.7	1654.8
40°	1468.0	1470.9	1538.2	1613.4	1690.7	1868.9	2007.0	2030.6	2138.7	2233.9	1755.1
42.5°	1564.7	1582.6	1663.4	1755.1	1835.9	1974.1	2069.3	2092.2	2166.6	2338.4	1890.3
45°	1705.0	1697.1	1786.5	1888.9	1978.4	2083.6	2143.0	2135.1	2183.1	2442.2	1975.5
47.5°	1885.4	1886.8	1946.2	2033.5	2126.6	2178.8	2225.3	2197.4	2217.5	2551.7	2089.3
50°	2008.5	2019.2	2067.1	2156.6	2203.2	2283.3	2342.7	2325.5	2319.1	2617.5	2160.9
52.5°	2039.9	2072.1	2097.9	2209.6	2318.4	2445.0	2520.9	2557.4	2442.9	2639.7	2251.8
55°	1802.3	1830.9	1921.9	2075.0	2362.0	2701.3	2805.8	2806.5	2604.7	2738.5	2315.5
57.5°	1440.8	1382.9	1438.7	1601.2	1997.0	2690.5	2944.7	2911.0	2685.6	2680.5	2260.4
60°	996.3	982.0	985.6	1050.0	1382.2	2140.2	2624.0	2667.7	2473.0	2323.3	1789.4
62.5°	789.5	777.3	761.6	754.4	858.2	1333.5	1851.0	1912.5	1729.3	1506.7	1060.8
65°	618.4	611.2	613.4	642.0	641.3	756.6	1012.1	987.1	790.2	584.1	333.5
67.5°	417.3	428.1	436.6	523.2	567.6	526.8	488.9	474.6	256.9	108.1	73.8
70°	234.8	236.2	245.5	327.1	430.9	408.7	337.2	337.2	128.1	39.4	42.2
72.5°	128.1	123.8	115.2	141.0	191.8	194.7	150.3	130.9	37.9	25.7	23.6
75°	62.2	61.6	53.0	43.6	41.5	34.4	26.5	24.3	17.2	16.5	14.3
77.5°	12.9	12.2	6.5	6.5	7.1	7.9	10.0	10.0	12.2	12.2	10.0
80°	0.0	0.0	0.8	2.9	5.0	7.1	8.6	8.6	10.0	10.0	7.9
82.5°	0.0	0.0	0.8	2.2	4.3	6.5	7.9	8.6	10.0	10.8	8.6
85°	0.0	0.0	0.0	1.4	3.6	5.0	4.3	4.3	3.6	2.9	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6	1695.6
2.5°	1670.6	1669.1	1636.2	1617.7	1584.0	1554.7	1531.0	1513.9	1513.9	1503.1	1493.1
5°	1623.4	1611.2	1541.0	1496.0	1432.2	1385.0	1352.8	1327.8	1288.4	1299.1	1256.9
7.5°	1564.7	1533.9	1440.8	1372.1	1284.1	1216.8	1148.0	1087.2	1028.5	1002.1	1016.3
10°	1501.7	1448.0	1322.7	1213.9	1104.4	981.3	901.1	803.8	743.7	740.1	724.4
12.5°	1435.1	1374.3	1221.8	1071.5	927.6	779.4	657.1	566.2	525.4	480.3	488.9
15°	1385.0	1294.8	1109.4	928.4	737.2	587.6	464.6	394.4	355.7	345.0	341.4
17.5°	1330.6	1234.0	994.9	775.9	578.4	423.0	334.3	300.7	285.6	285.6	283.4
20°	1274.0	1165.3	881.1	634.2	433.8	315.6	267.7	256.9	256.3	255.5	255.5
22.5°	1236.9	1086.6	778.0	503.9	327.1	252.6	232.6	228.3	231.2	239.8	239.8
25°	1197.5	1010.6	664.2	388.6	253.4	216.9	205.5	208.3	215.5	223.3	220.4
27.5°	1157.4	961.3	556.8	304.9	207.6	189.6	185.4	191.8	199.7	206.9	204.7
30°	1148.0	908.3	455.2	231.2	178.2	165.3	168.2	173.9	181.8	184.7	187.5
32.5°	1162.4	866.8	372.9	189.6	155.3	151.7	151.7	154.6	159.6	166.1	163.9
35°	1203.2	843.2	294.9	164.7	142.5	138.8	138.2	141.0	143.9	146.0	143.9
37.5°	1265.5	824.6	241.2	146.0	133.9	128.1	126.7	126.0	128.8	129.5	130.9
40°	1344.9	834.6	204.7	134.6	125.2	118.8	114.5	114.5	114.5	116.6	117.4
42.5°	1430.8	848.1	176.8	128.1	117.4	109.5	105.2	103.8	105.2	108.1	107.4
45°	1521.0	874.6	158.9	118.1	110.3	100.2	94.4	93.0	96.6	102.3	101.7
47.5°	1605.5	912.6	145.3	111.7	103.1	93.8	86.6	85.2	91.6	99.5	100.2
50°	1689.9	978.4	140.3	106.6	98.1	87.3	80.9	79.5	86.6	96.6	98.8
52.5°	1787.3	1049.3	136.7	100.2	92.3	82.3	75.2	73.8	81.6	94.4	95.2
55°	1851.0	1109.4	133.9	88.7	81.6	74.4	68.7	68.0	76.6	88.1	90.9
57.5°	1776.5	1025.7	123.8	77.3	69.5	65.9	60.8	60.8	68.0	78.7	80.9
60°	1347.0	675.0	88.1	62.2	58.7	56.5	54.4	54.4	60.1	68.0	68.7
62.5°	788.8	363.6	56.5	50.1	50.1	47.9	44.4	44.4	50.1	54.4	55.1
65°	234.1	116.6	45.8	43.0	42.2	38.7	35.1	34.4	38.7	40.8	40.1
67.5°	67.3	53.7	37.9	35.8	35.1	29.4	27.2	26.5	27.2	25.7	25.1
70°	40.1	36.5	29.4	30.0	26.5	21.4	19.3	18.6	17.2	15.1	13.6
72.5°	22.2	22.2	21.4	22.9	18.6	14.3	12.2	10.0	7.9	6.5	5.7
75°	13.6	14.3	15.1	15.7	12.2	9.3	7.9	5.0	2.9	1.4	1.4
77.5°	9.3	10.0	10.8	11.4	10.0	8.6	6.5	3.6	0.8	0.0	0.0
80°	7.1	7.9	9.3	10.0	10.8	11.4	8.6	3.6	0.8	0.0	0.0
82.5°	7.9	8.6	10.8	10.0	10.0	10.0	7.9	3.6	0.8	0.0	0.0
85°	1.4	2.2	3.6	3.6	5.0	6.5	5.0	1.4	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)