

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: McGRAW-EDISON

Report Number: P1211798

Luminaire Tested: **GKO-PB2D-835-U-T4W**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211798
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2D-835-U-T4W
Description: GEKKO WALL PACK 10000LM PACKAGE 80CRI 3500K FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC
Light Source: (20) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

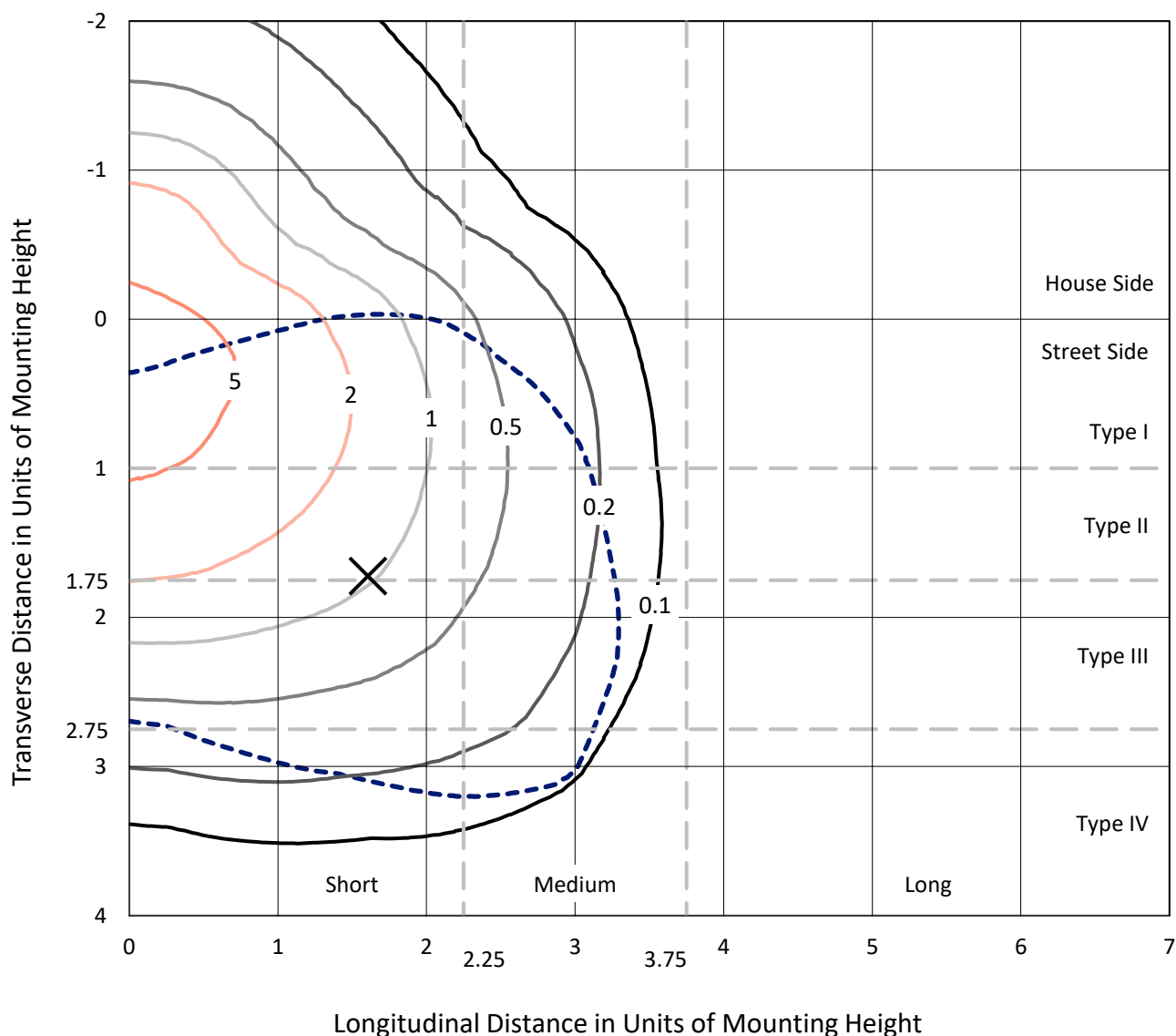
Lumens per Lamp: N/A
Luminaire Lumens: 8994.6 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 76.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 8%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

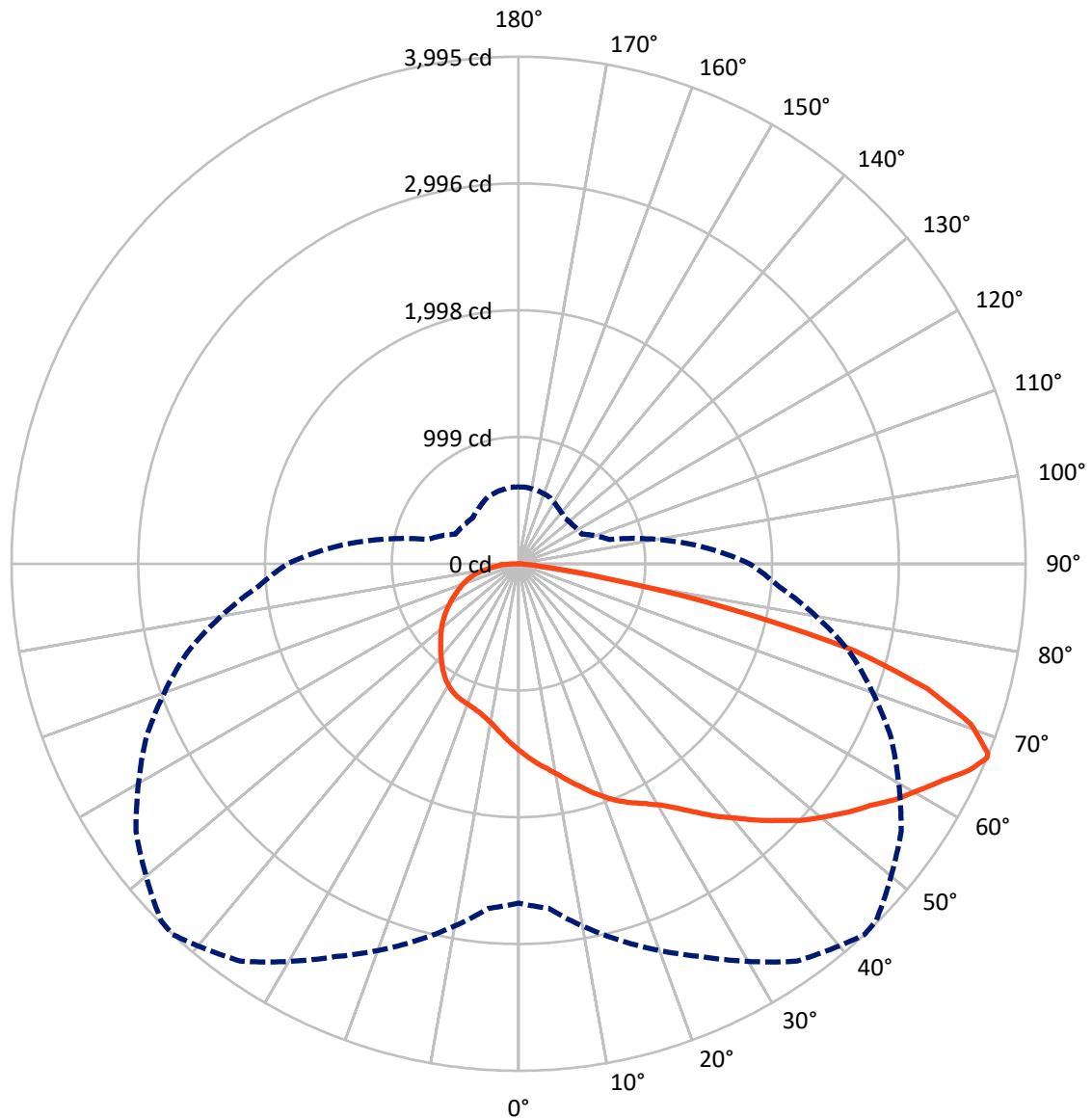
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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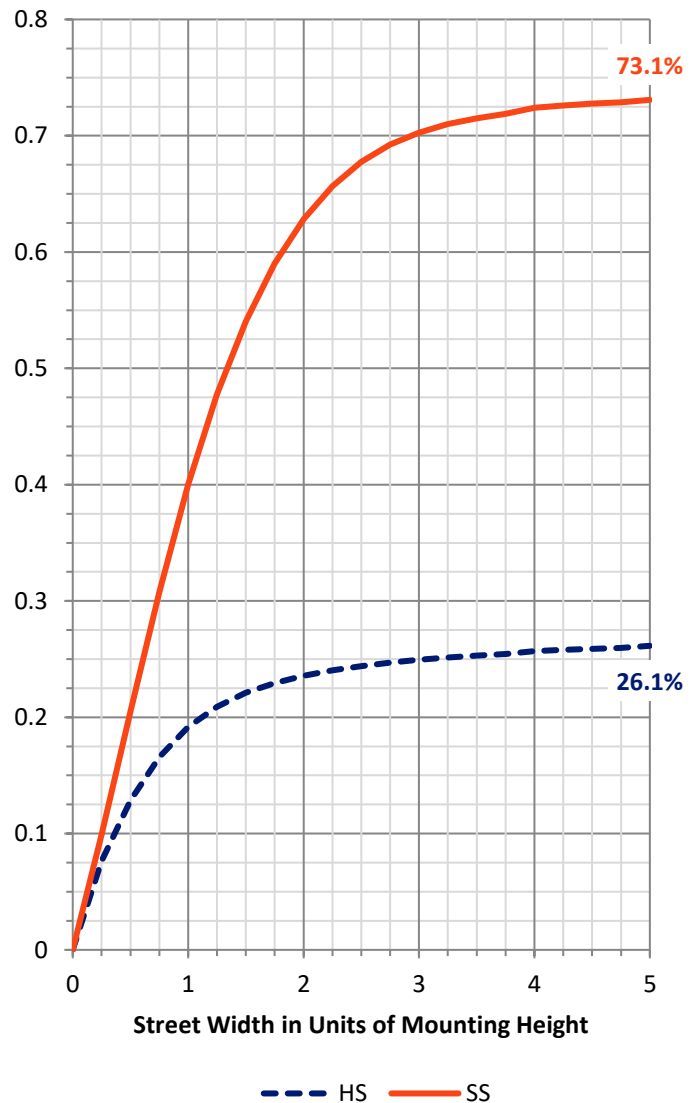
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2419.3	0.0	2419.3
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	6575.3	0.0	6575.3
	% Fixture	73.1	0.0	73.1
Total	Lumens	8994.6	0.0	8994.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.1	1.6
10°-20°	433.7	4.8
20°-30°	750.9	8.3
30°-40°	1114.4	12.4
40°-50°	1513.9	16.8
50°-60°	1858.4	20.7
60°-70°	1958.6	21.8
70°-80°	1081.1	12.0
80°-90°	142.4	1.6
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°	8994.6	100.0
0°-180°	8994.6	100.0



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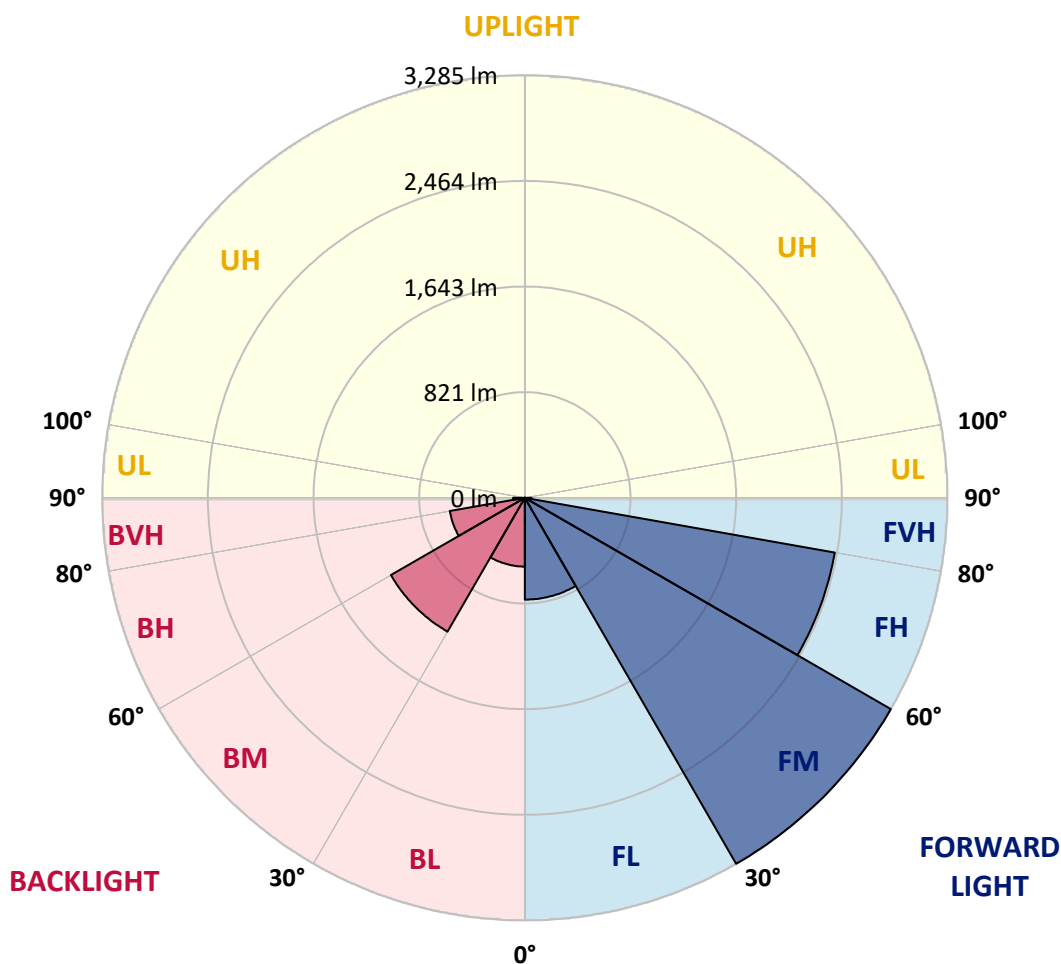
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	791.3	8.8			
FM	(30°-60°)	3285.1	36.5			
FH	(60°-80°)	2446.9	27.2			G2/5000
FVH	(80°-90°)	52.0	0.6			G1/100
BL	(0°-30°)	534.5	5.9	B2/1000		
BM	(30°-60°)	1201.6	13.4	B2/2500		
BH	(60°-80°)	592.8	6.6	B2/1000		G2/1000
BVH	(80°-90°)	90.4	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1476.3	1476.3	1476.3	1476.3	1476.3	1476.3	1476.3	1476.3	1476.3	1476.3	1476.3
2.5°	1544.7	1548.3	1544.7	1541.1	1533.9	1530.3	1526.7	1517.7	1506.9	1490.7	1478.1
5°	1613.1	1613.1	1607.7	1604.1	1593.3	1582.5	1577.1	1555.5	1532.1	1505.1	1479.9
7.5°	1676.2	1683.4	1674.4	1665.4	1649.2	1631.2	1627.6	1595.1	1562.7	1526.7	1488.9
10°	1755.4	1760.8	1748.2	1741.0	1710.4	1687.0	1679.8	1640.2	1596.9	1551.9	1503.3
12.5°	1836.4	1840.0	1831.0	1814.8	1782.4	1753.6	1742.8	1690.6	1634.8	1580.7	1519.5
15°	1906.6	1910.2	1906.6	1888.6	1858.0	1822.0	1807.6	1750.0	1681.6	1611.3	1539.3
17.5°	1958.8	1966.0	1966.0	1957.0	1930.0	1895.8	1886.8	1814.8	1735.6	1647.4	1562.7
20°	2003.8	2007.4	2014.6	2009.2	1994.8	1966.0	1953.4	1885.0	1789.6	1688.8	1586.1
22.5°	2039.8	2043.4	2056.0	2054.2	2045.2	2030.8	2018.2	1955.2	1852.6	1730.2	1607.7
25°	2102.9	2101.1	2108.3	2102.9	2092.1	2086.7	2079.5	2023.6	1915.6	1778.8	1636.6
27.5°	2212.7	2209.1	2201.9	2174.9	2147.9	2140.7	2135.3	2095.7	1989.4	1834.6	1669.0
30°	2374.7	2378.3	2344.1	2282.9	2228.9	2207.3	2200.1	2173.1	2072.2	1899.4	1705.0
32.5°	2567.4	2565.6	2509.7	2423.3	2338.7	2295.5	2281.1	2252.3	2155.1	1964.2	1746.4
35°	2706.0	2702.4	2673.6	2596.2	2507.9	2405.3	2378.3	2333.3	2243.3	2038.0	1787.8
37.5°	2893.2	2887.8	2832.0	2751.0	2671.8	2524.1	2493.5	2432.3	2327.9	2110.1	1834.6
40°	3107.5	3073.3	2981.4	2898.6	2790.6	2634.0	2608.8	2529.5	2425.1	2198.3	1888.6
42.5°	3301.9	3251.5	3132.7	3028.3	2893.2	2763.6	2731.2	2637.6	2518.7	2279.3	1944.4
45°	3593.6	3471.2	3300.1	3238.9	3004.9	2886.0	2859.0	2743.8	2621.4	2367.5	2000.2
47.5°	3557.6	3471.2	3415.3	3408.1	3121.9	3019.3	2979.6	2860.8	2731.2	2461.1	2057.8
50°	3627.8	3559.4	3563.0	3474.8	3228.1	3132.7	3103.9	2983.2	2842.8	2553.0	2119.1
52.5°	3613.4	3633.2	3622.4	3485.6	3330.7	3251.5	3229.9	3109.3	2949.0	2641.2	2173.1
55°	3728.6	3717.8	3694.4	3559.4	3444.1	3363.1	3345.1	3240.7	3057.1	2716.8	2219.9
57.5°	3813.2	3757.4	3755.6	3642.2	3570.2	3503.6	3474.8	3375.7	3157.9	2783.4	2255.9
60°	3761.0	3694.4	3743.0	3654.8	3647.6	3622.4	3606.2	3494.6	3247.9	2833.8	2270.3
62.5°	3482.0	3498.2	3642.2	3636.8	3732.2	3755.6	3737.6	3577.4	3307.3	2851.8	2259.5
65°	3112.9	3161.5	3382.9	3572.0	3831.2	3912.2	3894.2	3636.8	3301.9	2810.4	2187.5
67°	2673.6	2725.8	3071.5	3415.3	3822.2	3995.1	3982.5	3680.0	3237.1	2704.2	2057.8
67.5°	2576.4	2635.8	2981.4	3343.3	3789.8	3987.9	3978.9	3683.6	3215.5	2653.8	2007.4
70°	1895.8	1966.0	2453.9	2938.2	3530.6	3779.0	3777.2	3548.6	2992.2	2380.1	1741.0
72.5°	1181.1	1244.1	1750.0	2291.9	3058.9	3364.9	3352.3	3091.3	2576.4	1942.6	1373.7
75°	723.8	763.4	1101.8	1494.3	2218.1	2724.0	2742.0	2416.1	1757.2	1154.1	776.0
77.5°	442.9	486.1	695.0	921.8	1355.7	1694.2	1697.8	1339.5	902.0	628.3	424.9
80°	246.7	257.5	361.9	482.5	695.0	698.6	669.7	590.5	468.1	302.5	217.8
82.5°	97.2	104.4	156.6	194.4	198.0	207.0	192.6	174.6	147.6	97.2	68.4
85°	0.0	0.0	0.0	3.6	12.6	25.2	25.2	18.0	7.2	5.4	5.4
87.5°	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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°	1476.3	1476.3	1476.3	1476.3	1476.3	1476.3	1476.3	1476.3	1476.3	1476.3	1476.3
2.5°	1474.5	1472.7	1460.1	1445.7	1434.9	1425.9	1416.9	1406.1	1406.1	1409.7	1407.9
5°	1470.9	1461.9	1438.5	1413.3	1393.5	1375.5	1359.3	1344.9	1343.1	1344.9	1346.7
7.5°	1472.7	1456.5	1420.5	1382.7	1350.3	1326.9	1303.5	1292.7	1290.9	1290.9	1290.9
10°	1479.9	1456.5	1407.9	1355.7	1316.1	1281.9	1256.7	1245.9	1247.7	1249.5	1251.3
12.5°	1492.5	1460.1	1398.9	1332.3	1281.9	1247.7	1222.5	1213.5	1220.7	1229.7	1231.5
15°	1505.1	1467.3	1389.9	1312.5	1254.9	1217.1	1199.1	1197.3	1209.9	1226.1	1229.7
17.5°	1519.5	1472.7	1379.1	1287.3	1226.1	1195.5	1186.5	1191.9	1211.7	1236.9	1242.3
20°	1533.9	1479.9	1366.5	1263.9	1199.1	1177.5	1182.9	1199.1	1224.3	1254.9	1260.3
22.5°	1548.3	1485.3	1350.3	1235.1	1170.3	1163.1	1182.9	1209.9	1235.1	1269.3	1276.5
25°	1564.5	1492.5	1330.5	1199.1	1141.4	1146.8	1181.1	1213.5	1240.5	1276.5	1285.5
27.5°	1589.7	1503.3	1310.7	1166.7	1109.0	1127.0	1172.1	1211.7	1240.5	1274.7	1285.5
30°	1615.0	1514.1	1294.5	1132.4	1076.6	1100.0	1154.1	1202.7	1231.5	1262.1	1276.5
32.5°	1643.8	1528.5	1280.1	1098.2	1040.6	1069.4	1128.8	1182.9	1217.1	1244.1	1258.5
35°	1674.4	1550.1	1269.3	1067.6	1004.6	1029.8	1091.0	1157.7	1191.9	1217.1	1229.7
37.5°	1714.0	1573.5	1262.1	1037.0	966.8	988.4	1051.4	1121.6	1161.3	1181.1	1197.3
40°	1757.2	1607.7	1262.1	1011.8	930.8	945.2	1010.0	1085.6	1125.2	1141.4	1157.7
42.5°	1800.4	1642.0	1260.3	986.6	893.0	903.8	968.6	1046.0	1083.8	1096.4	1109.0
45°	1850.8	1681.6	1258.5	957.8	851.6	862.4	929.0	1006.4	1042.4	1053.2	1064.0
47.5°	1904.8	1721.2	1251.3	921.8	813.8	822.8	889.4	961.4	997.4	1010.0	1020.8
50°	1953.4	1759.0	1233.3	880.4	779.6	788.6	848.0	907.4	939.8	954.2	965.0
52.5°	1996.6	1786.0	1204.5	833.6	741.8	752.6	797.6	849.8	875.0	885.8	893.0
55°	2030.8	1800.4	1157.7	788.6	705.8	711.2	747.2	794.0	813.8	815.6	821.0
57.5°	2054.2	1798.6	1094.6	736.4	669.7	671.5	696.8	738.2	752.6	750.8	754.4
60°	2059.6	1775.2	1019.0	687.7	633.7	628.3	653.5	682.3	691.3	698.6	707.6
62.5°	2038.0	1719.4	932.6	639.1	597.7	588.7	606.7	631.9	646.3	649.9	653.5
65°	1958.8	1616.8	828.2	588.7	561.7	545.5	565.3	601.3	624.7	631.9	630.1
67°	1820.2	1472.7	738.2	550.9	525.7	511.3	540.1	577.9	594.1	604.9	604.9
67.5°	1775.2	1420.5	707.6	538.3	516.7	504.1	531.1	567.1	588.7	601.3	601.3
70°	1506.9	1164.9	597.7	475.3	464.5	466.3	498.7	538.3	565.3	577.9	577.9
72.5°	1148.6	902.0	486.1	414.1	410.5	423.1	464.5	500.5	534.7	556.3	554.5
75°	651.7	520.3	354.7	338.5	352.9	378.1	430.3	469.9	500.5	522.1	520.3
77.5°	379.9	313.3	244.9	232.3	273.7	331.3	385.3	435.7	457.3	464.5	459.1
80°	192.6	163.8	153.0	158.4	183.6	246.7	336.7	396.1	412.3	417.7	412.3
82.5°	61.2	55.8	61.2	81.0	122.4	194.4	271.9	358.3	378.1	378.1	376.3
85°	3.6	3.6	3.6	36.0	84.6	144.0	212.4	313.3	354.7	351.1	345.7
87.5°	1.8	1.8	1.8	23.4	66.6	120.6	187.2	284.5	338.5	313.3	295.3
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)