

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: P1211978

Luminaire Tested: **GKO-PB2D-835-U-T2U**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211978
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-T2U
Description: GEKKO WALL PACK 10000LM PACKAGE 80CRI 3500K FIXTURE w/ TYPE II
URBAN DISTRIBUTION OPTIC
Light Source: (20) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

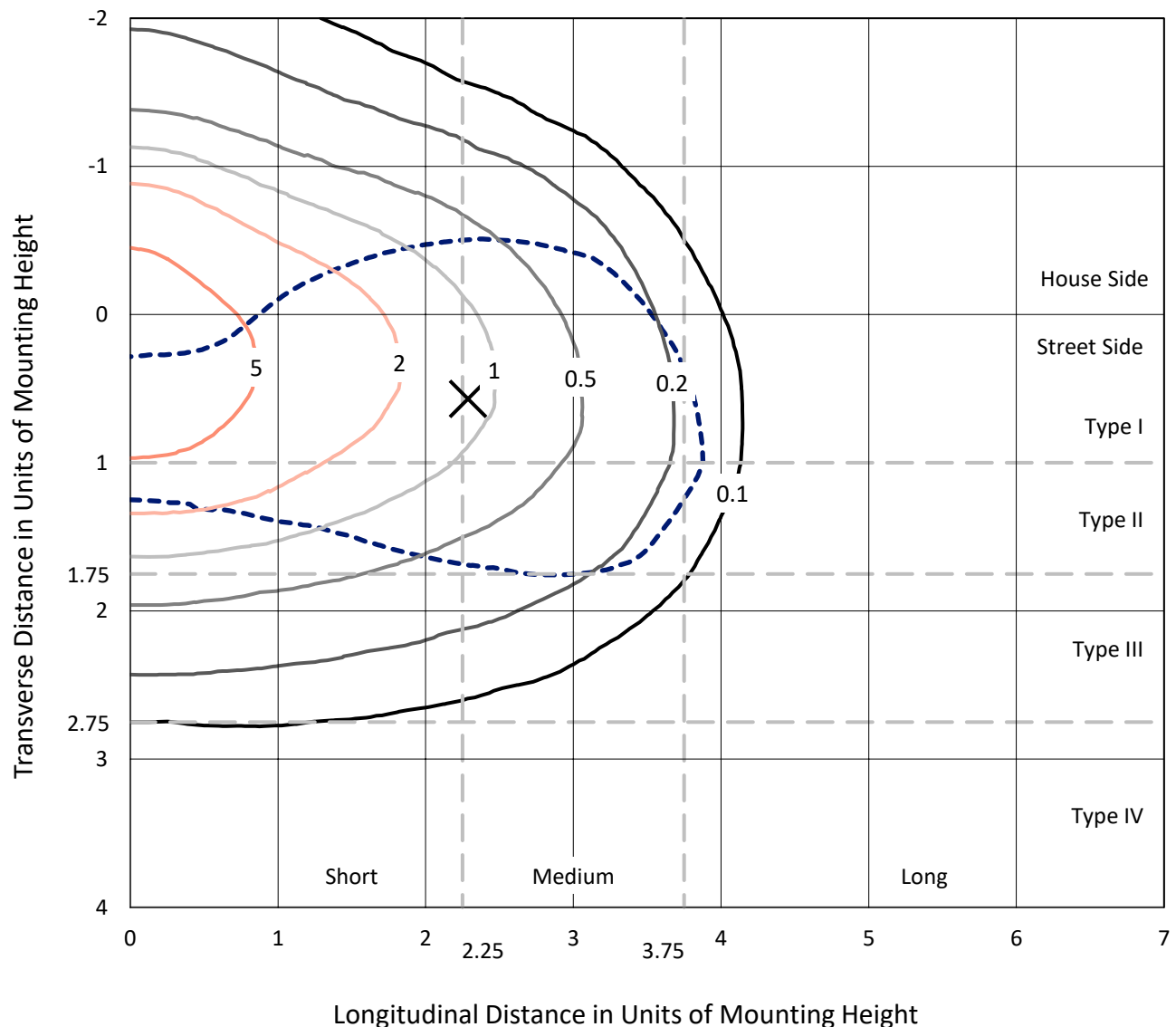
Lumens per Lamp: N/A
Luminaire Lumens: 9309.6 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

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

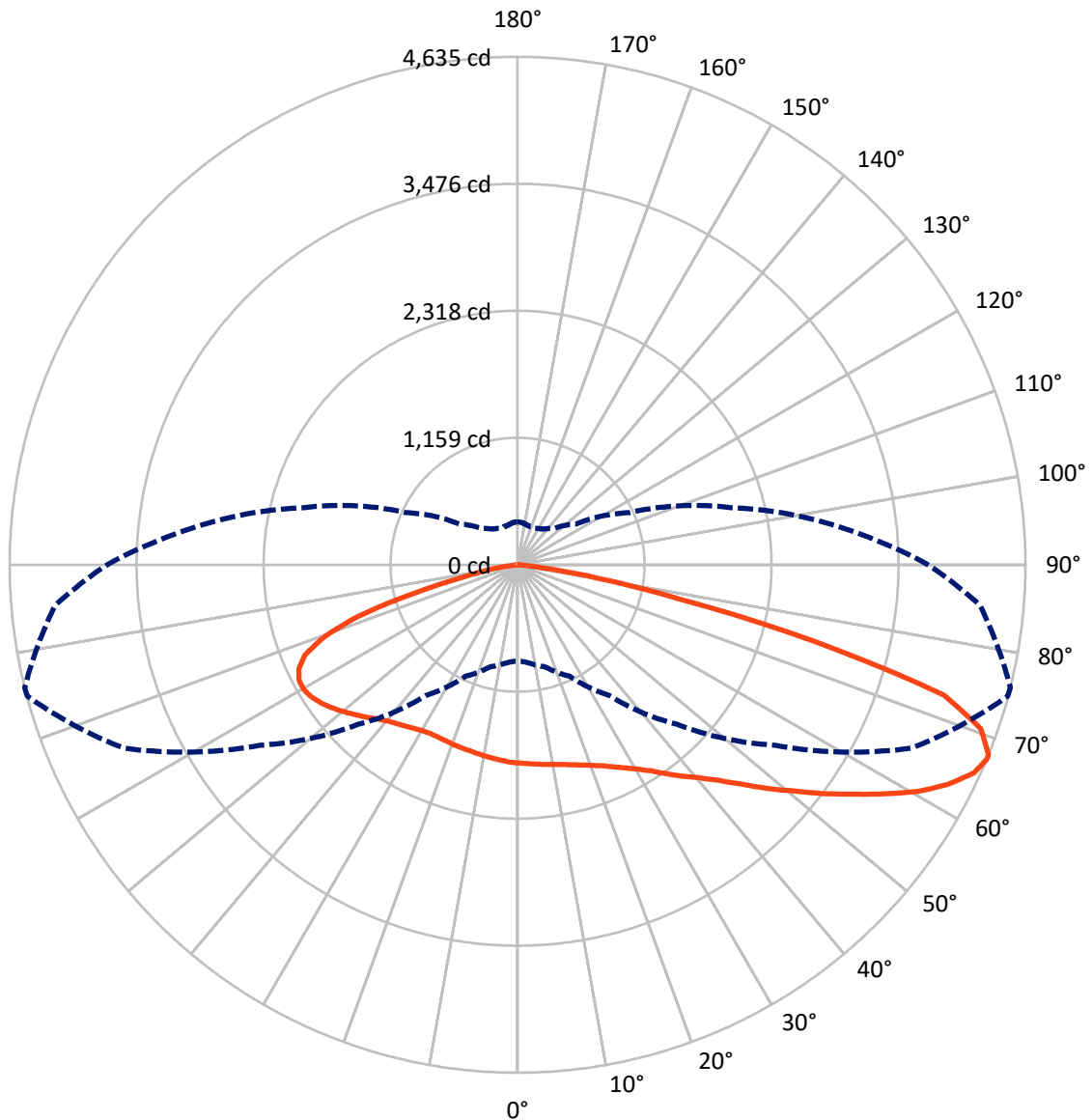
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3071.4	0.0	3071.4
	% Fixture	33.0	0.0	33.0
Street Side	Lumens	6238.2	0.0	6238.2
	% Fixture	67.0	0.0	67.0
Total	Lumens	9309.6	0.0	9309.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.0	1.9
10°-20°	532.2	5.7
20°-30°	915.6	9.8
30°-40°	1315.6	14.1
40°-50°	1668.5	17.9
50°-60°	1832.1	19.7
60°-70°	1776.9	19.1
70°-80°	981.0	10.5
80°-90°	113.8	1.2
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°	9309.6	100.0
0°-180°	9309.6	100.0



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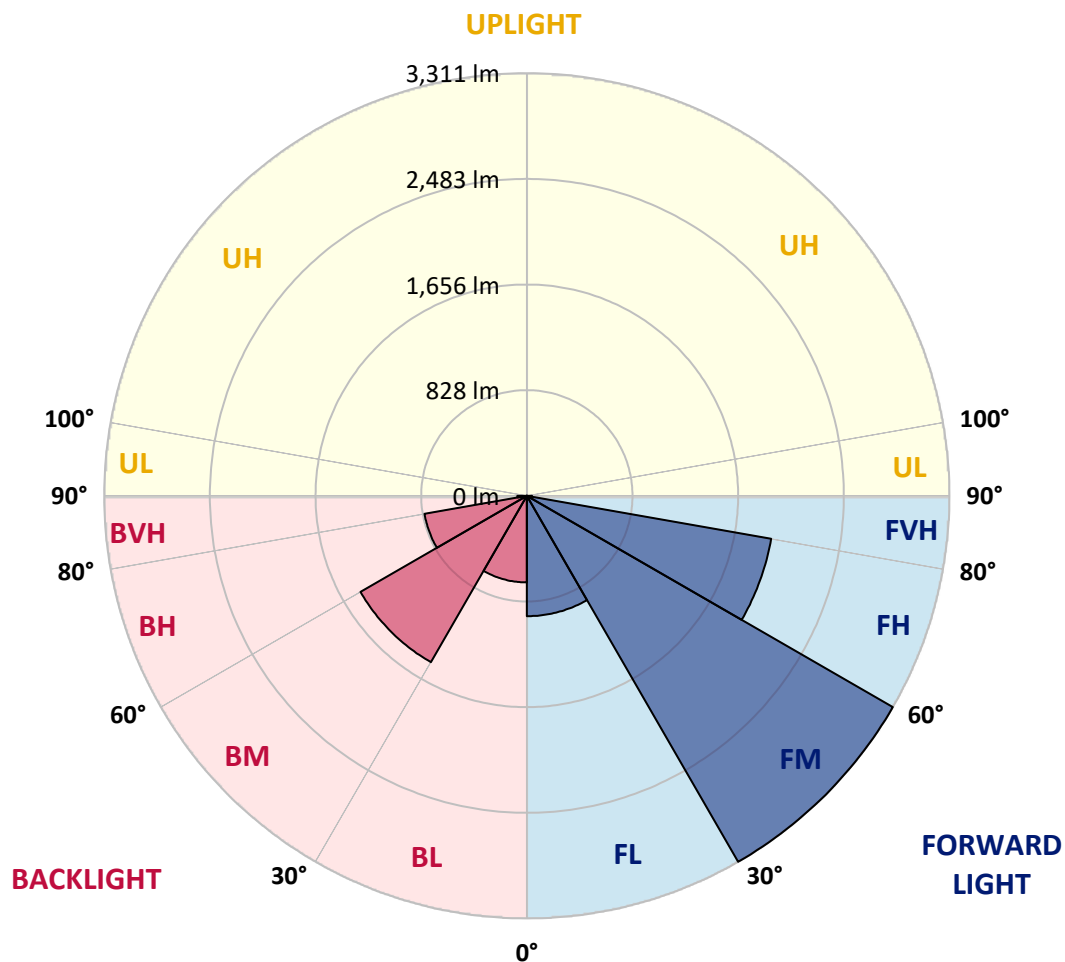
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	943.1	10.1			
FM	(30°-60°)	3311.2	35.6			
FH	(60°-80°)	1943.8	20.9			G2/5000
FVH	(80°-90°)	40.2	0.4			G1/100
BL	(0°-30°)	678.6	7.3	B2/1000		
BM	(30°-60°)	1505.1	16.2	B2/2500		
BH	(60°-80°)	814.1	8.7	B2/1000		G2/1000
BVH	(80°-90°)	73.6	0.8			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1809.7	1809.7	1809.7	1809.7	1809.7	1809.7	1809.7	1809.7	1809.7	1809.7	1809.7
2.5°	1863.7	1861.9	1860.1	1860.1	1852.9	1845.7	1838.5	1833.1	1818.7	1816.9	1809.7
5°	1919.5	1919.5	1914.1	1912.3	1901.5	1883.5	1867.3	1851.1	1831.3	1827.7	1811.5
7.5°	1991.6	1991.6	1982.6	1975.4	1959.2	1930.3	1901.5	1872.7	1843.9	1840.3	1815.1
10°	2083.4	2083.4	2076.2	2060.0	2025.8	1988.0	1941.1	1896.1	1858.3	1854.7	1818.7
12.5°	2178.8	2180.6	2169.8	2146.4	2105.0	2047.4	1989.8	1924.9	1876.3	1870.9	1825.9
15°	2276.1	2277.9	2270.7	2245.5	2189.6	2119.4	2042.0	1964.6	1899.7	1894.3	1836.7
17.5°	2371.5	2375.1	2367.9	2339.1	2274.3	2198.6	2103.2	2006.0	1928.5	1921.3	1854.7
20°	2461.5	2461.5	2461.5	2429.1	2366.1	2279.7	2169.8	2056.4	1961.0	1953.7	1876.3
22.5°	2542.6	2546.2	2551.6	2533.6	2461.5	2366.1	2247.3	2112.2	2002.4	1993.4	1903.3
25°	2623.6	2625.4	2639.8	2627.2	2557.0	2457.9	2330.1	2182.4	2052.8	2043.8	1935.7
27.5°	2717.2	2722.6	2731.6	2726.2	2647.0	2549.8	2421.9	2259.9	2108.6	2099.6	1975.4
30°	2827.1	2827.1	2832.5	2823.5	2744.3	2647.0	2513.8	2340.9	2178.8	2164.4	2024.0
32.5°	2917.1	2926.1	2922.5	2918.9	2836.1	2738.8	2607.4	2430.9	2259.9	2241.9	2090.6
35°	3001.7	3003.6	3001.7	3005.4	2922.5	2830.7	2706.4	2535.4	2349.9	2342.7	2175.2
37.5°	3050.4	3054.0	3063.0	3073.8	2999.9	2913.5	2805.5	2650.6	2461.5	2448.9	2276.1
40°	3073.8	3079.2	3127.8	3144.0	3064.8	2992.7	2909.9	2755.1	2569.6	2555.2	2376.9
42.5°	3109.8	3153.0	3178.2	3181.8	3113.4	3050.4	2999.9	2873.9	2702.8	2690.2	2512.0
45°	2990.9	2974.7	3041.4	3118.8	3115.2	3088.2	3086.4	3007.2	2866.7	2854.1	2665.0
47.5°	2841.5	2828.9	2864.9	2978.3	3059.4	3104.4	3171.0	3163.8	3064.8	3046.8	2843.3
50°	2485.0	2506.6	2683.0	2837.9	2978.3	3109.8	3243.0	3327.7	3257.4	3243.0	3032.4
52.5°	2151.8	2166.2	2286.9	2656.0	2873.9	3093.6	3306.1	3500.5	3482.5	3466.3	3239.4
55°	1917.7	1932.1	2124.8	2360.7	2719.0	3010.8	3347.5	3664.4	3711.2	3695.0	3459.1
57.5°	1672.8	1696.2	1827.7	2034.8	2512.0	2873.9	3361.9	3830.1	3959.7	3945.3	3669.8
60°	1437.0	1469.4	1546.8	1771.9	2256.3	2711.8	3324.1	3963.3	4199.2	4199.2	3887.7
62.5°	1219.1	1237.1	1318.1	1521.6	1932.1	2504.8	3228.6	4048.0	4418.9	4409.9	4078.6
65°	1039.0	1048.0	1112.8	1287.5	1660.2	2276.1	3063.0	4042.5	4575.6	4577.4	4204.6
67°	876.9	891.3	963.4	1121.8	1453.2	2060.0	2872.1	3961.5	4631.4	4635.0	4235.2
67.5°	821.1	837.3	916.6	1080.4	1409.9	2000.6	2827.1	3927.3	4627.8	4635.0	4226.2
70°	565.4	569.0	702.3	889.5	1159.6	1685.4	2515.6	3689.6	4490.9	4485.5	4029.9
72.5°	360.1	354.7	482.6	650.0	932.8	1364.9	2123.0	3273.7	4075.0	4069.6	3552.8
75°	239.5	244.9	325.9	464.6	655.5	1055.2	1654.8	2470.5	2830.7	2809.1	2344.5
77.5°	171.1	167.5	201.7	334.9	439.4	641.0	898.5	1314.5	1503.6	1503.6	1287.5
80°	93.6	95.4	109.8	185.5	248.5	250.3	336.7	659.1	734.7	750.9	624.8
82.5°	27.0	28.8	39.6	63.0	68.4	75.6	117.0	189.1	198.1	208.9	169.3
85°	0.0	0.0	0.0	1.8	7.2	9.0	9.0	10.8	18.0	18.0	19.8
87.5°	0.0	0.0	0.0	0.0	0.0	1.8	1.8	3.6	7.2	7.2	9.0
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°	1809.7	1809.7	1809.7	1809.7	1809.7	1809.7	1809.7	1809.7	1809.7	1809.7	1809.7
2.5°	1807.9	1809.7	1802.5	1793.5	1786.3	1782.7	1771.9	1762.9	1768.3	1773.7	1773.7
5°	1806.1	1804.3	1789.9	1773.7	1762.9	1755.7	1737.7	1725.1	1726.9	1732.3	1730.5
7.5°	1806.1	1798.9	1779.1	1755.7	1737.7	1723.3	1699.9	1685.4	1683.6	1687.2	1683.6
10°	1807.9	1795.3	1768.3	1735.9	1710.7	1689.0	1660.2	1644.0	1638.6	1640.4	1636.8
12.5°	1811.5	1791.7	1757.5	1716.1	1683.6	1654.8	1622.4	1602.6	1599.0	1602.6	1602.6
15°	1816.9	1791.7	1748.5	1698.1	1654.8	1622.4	1590.0	1572.0	1572.0	1573.8	1573.8
17.5°	1827.7	1797.1	1741.3	1678.2	1626.0	1590.0	1561.2	1548.6	1550.4	1555.8	1555.8
20°	1838.5	1804.3	1734.1	1658.4	1600.8	1559.4	1536.0	1527.0	1534.2	1541.4	1541.4
22.5°	1854.7	1813.3	1726.9	1640.4	1572.0	1530.6	1510.8	1503.6	1510.8	1519.8	1516.2
25°	1879.9	1829.5	1721.5	1624.2	1545.0	1500.0	1480.2	1473.0	1476.6	1483.8	1483.8
27.5°	1908.7	1849.3	1719.7	1604.4	1512.6	1464.0	1440.6	1429.7	1429.7	1431.5	1433.3
30°	1957.3	1883.5	1726.9	1590.0	1483.8	1426.1	1395.5	1379.3	1377.5	1384.7	1384.7
32.5°	2015.0	1930.3	1744.9	1577.4	1455.0	1381.1	1339.7	1327.1	1323.5	1328.9	1323.5
35°	2079.8	1982.6	1768.3	1575.6	1426.1	1332.5	1285.7	1271.3	1260.5	1256.9	1253.3
37.5°	2171.6	2054.6	1791.7	1566.6	1397.3	1280.3	1229.9	1199.3	1186.7	1183.1	1183.1
40°	2261.7	2124.8	1820.5	1552.2	1363.1	1228.1	1156.0	1121.8	1116.4	1116.4	1116.4
42.5°	2375.1	2216.6	1860.1	1543.2	1321.7	1175.9	1076.8	1037.2	1037.2	1037.2	1035.4
45°	2515.6	2337.3	1910.5	1539.6	1282.1	1112.8	992.2	940.0	938.2	936.4	934.6
47.5°	2679.4	2463.3	1959.2	1530.6	1235.3	1037.2	894.9	837.3	824.7	821.1	815.7
50°	2848.7	2600.2	2011.4	1518.0	1179.5	949.0	803.1	736.5	709.5	700.5	704.1
52.5°	3028.8	2733.4	2061.8	1500.0	1112.8	860.7	709.5	639.2	612.2	601.4	599.6
55°	3205.2	2868.5	2108.6	1476.6	1040.8	770.7	630.2	561.8	538.4	534.8	534.8
57.5°	3383.5	2998.1	2144.6	1442.4	961.6	691.5	561.8	506.0	489.8	497.0	497.0
60°	3545.6	3111.6	2162.6	1395.5	882.3	619.4	507.8	466.4	459.2	477.2	475.4
62.5°	3691.4	3187.2	2153.6	1327.1	804.9	558.2	466.4	435.8	437.6	459.2	461.0
65°	3761.6	3199.8	2101.4	1233.5	718.5	506.0	423.2	394.4	398.0	421.4	426.8
67°	3745.4	3151.2	2015.0	1127.2	648.2	466.4	396.2	367.3	369.1	388.9	390.7
67.5°	3727.4	3127.8	1991.6	1094.8	630.2	459.2	388.9	361.9	365.5	383.5	383.5
70°	3487.9	2890.1	1775.5	929.2	545.6	408.8	354.7	336.7	340.3	351.1	351.1
72.5°	3048.6	2503.0	1437.0	745.5	462.8	361.9	320.5	309.7	309.7	309.7	300.7
75°	1944.7	1568.4	940.0	570.8	381.7	309.7	288.1	275.5	268.3	279.1	275.5
77.5°	1075.0	819.3	489.8	327.7	275.5	257.5	250.3	244.9	243.1	268.3	261.1
80°	509.6	405.2	275.5	187.3	158.5	190.9	216.1	212.5	253.9	347.5	349.3
82.5°	162.1	133.3	111.6	102.6	106.2	136.9	167.5	192.7	329.5	372.7	367.3
85°	19.8	18.0	12.6	41.4	70.2	100.8	129.6	250.3	302.5	252.1	237.7
87.5°	7.2	7.2	7.2	28.8	54.0	77.4	117.0	252.1	185.5	169.3	154.9
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)