

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: P1211948

Luminaire Tested: **GKO-PB2D-735-U-T2U**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211948
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2D-735-U-T2U
Description: GEKKO WALL PACK 10000LM PACKAGE 70CRI 3500K FIXTURE w/ TYPE II
URBAN DISTRIBUTION OPTIC
Light Source: (20) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

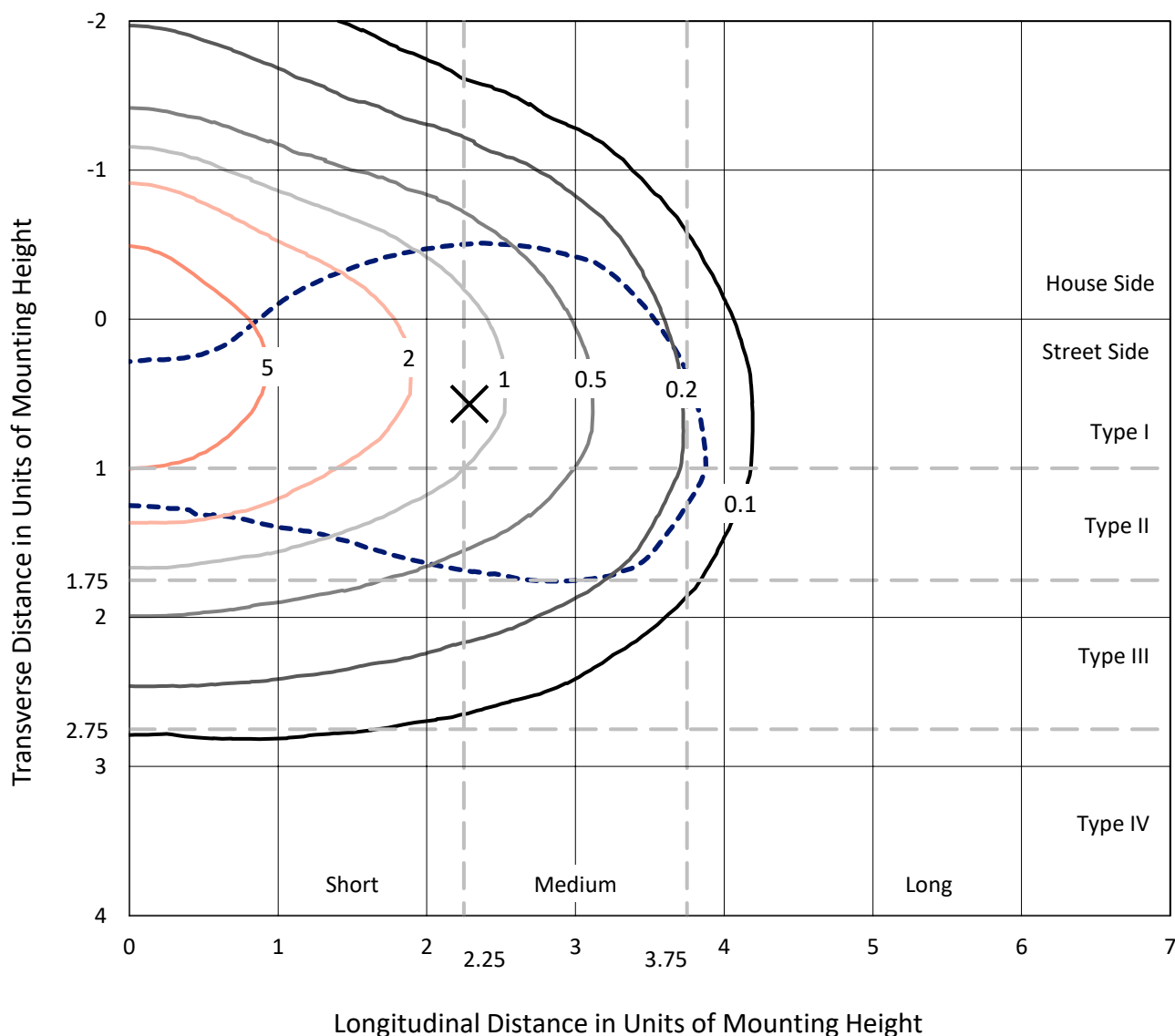
Lumens per Lamp: N/A
Luminaire Lumens: 9956 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

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

REPORT NUMBER: P1211948
 CATALOG NUMBER: GKO-PB2D-735-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

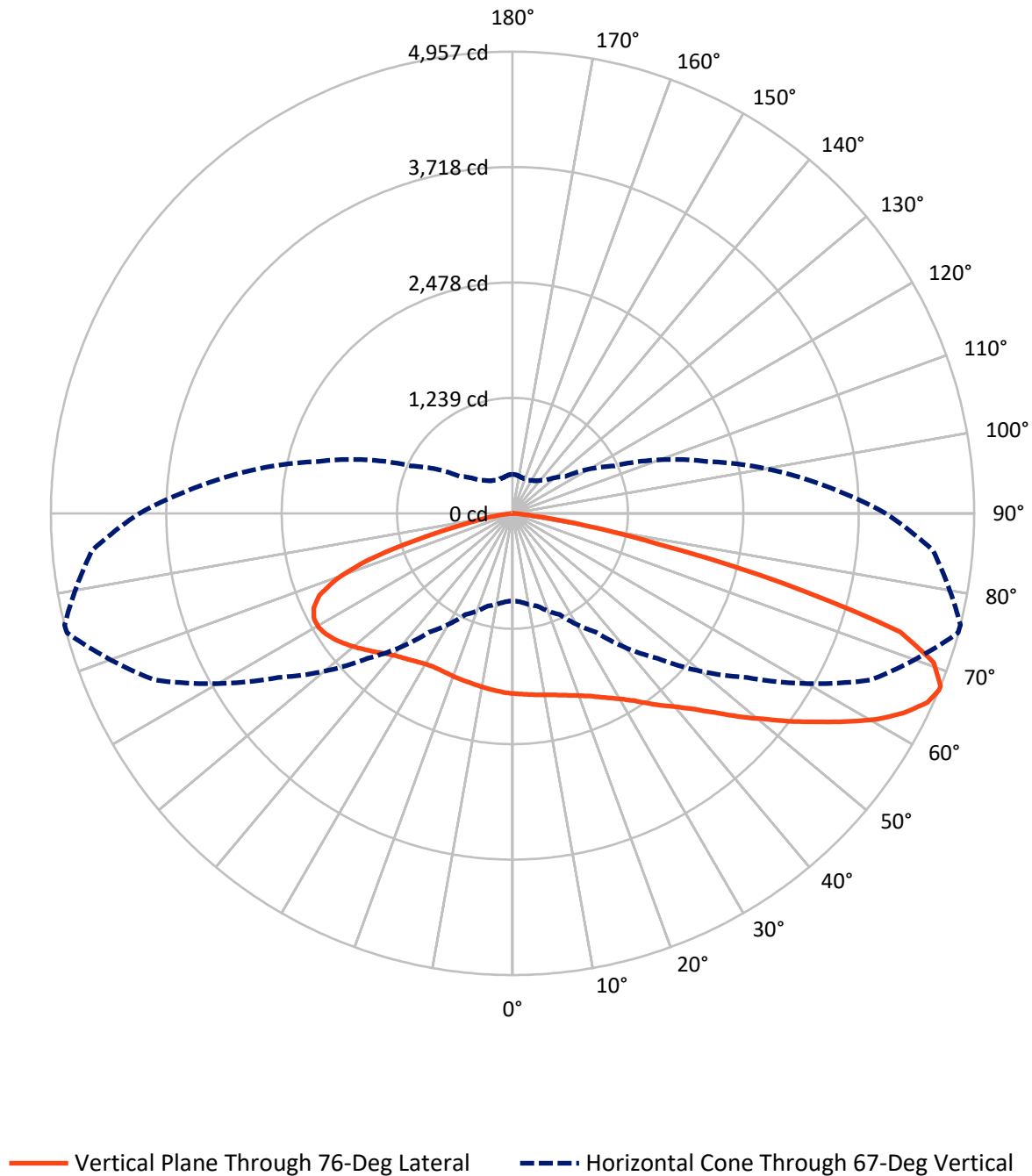
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P1211948
CATALOG NUMBER: GKO-PB2D-735-U-T2U

Luminous Intensity Polar Plot



REPORT NUMBER: P1211948

CATALOG NUMBER: GKO-PB2D-735-U-T2U

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3284.7	0.0	3284.7
	% Fixture	33.0	0.0	33.0
Street Side	Lumens	6671.4	0.0	6671.4
	% Fixture	67.0	0.0	67.0
Total	Lumens	9956.0	0.0	9956.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.0	1.9
10°-20°	569.1	5.7
20°-30°	979.1	9.8
30°-40°	1407.0	14.1
40°-50°	1784.3	17.9
50°-60°	1959.4	19.7
60°-70°	1900.2	19.1
70°-80°	1049.2	10.5
80°-90°	121.7	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°	9956.0	100.0
0°-180°	9956.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1211948

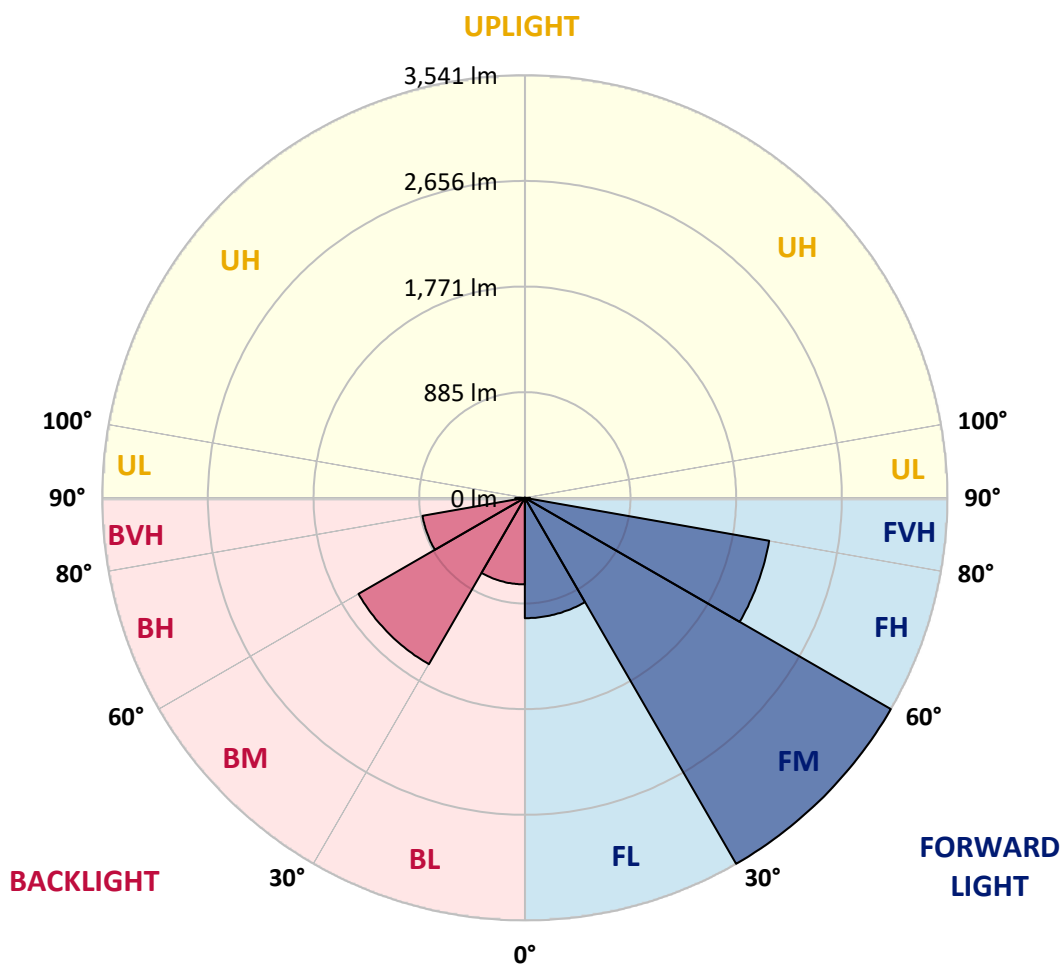
CATALOG NUMBER: GKO-PB2D-735-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1008.6	10.1			
FM	(30°-60°)	3541.1	35.6			
FH	(60°-80°)	2078.7	20.9			G2/5000
FVH	(80°-90°)	43.0	0.4			G1/100
BL	(0°-30°)	725.7	7.3	B2/1000		
BM	(30°-60°)	1609.6	16.2	B2/2500		
BH	(60°-80°)	870.7	8.7	B2/1000		G2/1000
BVH	(80°-90°)	78.7	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





REPORT NUMBER: P1211948

CATALOG NUMBER: GKO-PB2D-735-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1935.3	1935.3	1935.3	1935.3	1935.3	1935.3	1935.3	1935.3	1935.3	1935.3	1935.3
2.5°	1993.1	1991.2	1989.3	1989.3	1981.6	1973.9	1966.2	1960.4	1945.0	1943.0	1935.3
5°	2052.8	2052.8	2047.0	2045.1	2033.6	2014.3	1997.0	1979.6	1958.4	1954.6	1937.3
7.5°	2129.8	2129.8	2120.2	2112.5	2095.2	2064.4	2033.6	2002.7	1971.9	1968.1	1941.1
10°	2228.0	2228.0	2220.3	2203.0	2166.4	2126.0	2075.9	2027.8	1987.3	1983.5	1945.0
12.5°	2330.1	2332.0	2320.5	2295.4	2251.2	2189.5	2127.9	2058.6	2006.6	2000.8	1952.7
15°	2434.1	2436.0	2428.3	2401.4	2341.7	2266.6	2183.8	2101.0	2031.6	2025.8	1964.2
17.5°	2536.2	2540.0	2532.3	2501.5	2432.2	2351.3	2249.2	2145.2	2062.4	2054.7	1983.5
20°	2632.4	2632.4	2632.4	2597.8	2530.4	2438.0	2320.5	2199.2	2097.1	2089.4	2006.6
22.5°	2719.1	2723.0	2728.7	2709.5	2632.4	2530.4	2403.3	2258.9	2141.4	2131.8	2035.5
25°	2805.8	2807.7	2823.1	2809.6	2734.5	2628.6	2491.9	2334.0	2195.3	2185.7	2070.1
27.5°	2905.9	2911.7	2921.3	2915.5	2830.8	2726.8	2590.1	2416.8	2255.0	2245.4	2112.5
30°	3023.4	3023.4	3029.1	3019.5	2934.8	2830.8	2688.3	2503.4	2330.1	2314.7	2164.5
32.5°	3119.7	3129.3	3125.4	3121.6	3033.0	2929.0	2788.4	2599.7	2416.8	2397.5	2235.8
35°	3210.2	3212.1	3210.2	3214.0	3125.4	3027.2	2894.3	2711.4	2513.1	2505.4	2326.3
37.5°	3262.2	3266.0	3275.6	3287.2	3208.2	3115.8	3000.3	2834.6	2632.4	2619.0	2434.1
40°	3287.2	3293.0	3345.0	3362.3	3277.6	3200.5	3112.0	2946.3	2748.0	2732.6	2541.9
42.5°	3325.7	3371.9	3398.9	3402.7	3329.6	3262.2	3208.2	3073.4	2890.5	2877.0	2686.4
45°	3198.6	3181.3	3252.5	3335.3	3331.5	3302.6	3300.7	3215.9	3065.7	3052.3	2850.1
47.5°	3038.8	3025.3	3063.8	3185.1	3271.8	3319.9	3391.2	3383.5	3277.6	3258.3	3040.7
50°	2657.5	2680.6	2869.3	3034.9	3185.1	3325.7	3468.2	3558.7	3483.6	3468.2	3242.9
52.5°	2301.2	2316.6	2445.7	2840.4	3073.4	3308.4	3535.6	3743.6	3724.3	3707.0	3464.4
55°	2050.9	2066.3	2272.3	2524.6	2907.8	3219.8	3579.9	3918.8	3968.9	3951.6	3699.3
57.5°	1789.0	1814.0	1954.6	2176.1	2686.4	3073.4	3595.3	4096.0	4234.6	4219.2	3924.6
60°	1536.7	1571.4	1654.2	1894.9	2412.9	2900.1	3554.9	4238.5	4490.8	4490.8	4157.6
62.5°	1303.7	1323.0	1409.6	1627.2	2066.3	2678.7	3452.8	4329.0	4725.7	4716.1	4361.7
65°	1111.1	1120.8	1190.1	1376.9	1775.5	2434.1	3275.6	4323.2	4893.2	4895.2	4496.5
67°	937.8	953.2	1030.3	1199.7	1554.0	2203.0	3071.5	4236.6	4952.9	4956.8	4529.3
67.5°	878.1	895.5	980.2	1155.4	1507.8	2139.5	3023.4	4200.0	4949.1	4956.8	4519.6
70°	604.7	608.5	751.0	951.3	1240.2	1802.5	2690.2	3945.8	4802.7	4796.9	4309.7
72.5°	385.1	379.4	516.1	695.2	997.5	1459.7	2270.4	3500.9	4357.9	4352.1	3799.4
75°	256.1	261.9	348.6	496.8	701.0	1128.5	1769.7	2642.1	3027.2	3004.1	2507.3
77.5°	182.9	179.1	215.7	358.2	469.9	685.6	960.9	1405.8	1608.0	1608.0	1376.9
80°	100.1	102.1	117.5	198.3	265.7	267.7	360.1	704.8	785.7	803.0	668.2
82.5°	28.9	30.8	42.4	67.4	73.2	80.9	125.2	202.2	211.8	223.4	181.0
85°	0.0	0.0	0.0	1.9	7.7	9.6	9.6	11.6	19.3	19.3	21.2
87.5°	0.0	0.0	0.0	0.0	0.0	1.9	1.9	3.9	7.7	7.7	9.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1211948

CATALOG NUMBER: GKO-PB2D-735-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1935.3	1935.3	1935.3	1935.3	1935.3	1935.3	1935.3	1935.3	1935.3	1935.3	1935.3
2.5°	1933.4	1935.3	1927.6	1918.0	1910.3	1906.5	1894.9	1885.3	1891.0	1896.8	1896.8
5°	1931.5	1929.6	1914.2	1896.8	1885.3	1877.6	1858.3	1844.8	1846.8	1852.5	1850.6
7.5°	1931.5	1923.8	1902.6	1877.6	1858.3	1842.9	1817.9	1802.5	1800.5	1804.4	1800.5
10°	1933.4	1919.9	1891.0	1856.4	1829.4	1806.3	1775.5	1758.2	1752.4	1754.3	1750.5
12.5°	1937.3	1916.1	1879.5	1835.2	1800.5	1769.7	1735.1	1713.9	1710.0	1713.9	1713.9
15°	1943.0	1916.1	1869.9	1815.9	1769.7	1735.1	1700.4	1681.1	1681.1	1683.1	1683.1
17.5°	1954.6	1921.9	1862.2	1794.8	1738.9	1700.4	1669.6	1656.1	1658.0	1663.8	1663.8
20°	1966.2	1929.6	1854.5	1773.6	1712.0	1667.7	1642.6	1633.0	1640.7	1648.4	1648.4
22.5°	1983.5	1939.2	1846.8	1754.3	1681.1	1636.9	1615.7	1608.0	1615.7	1625.3	1621.4
25°	2010.4	1956.5	1841.0	1737.0	1652.3	1604.1	1582.9	1575.2	1579.1	1586.8	1586.8
27.5°	2041.3	1977.7	1839.1	1715.8	1617.6	1565.6	1540.6	1529.0	1529.0	1530.9	1532.9
30°	2093.2	2014.3	1846.8	1700.4	1586.8	1525.2	1492.4	1475.1	1473.2	1480.9	1480.9
32.5°	2154.9	2064.4	1866.0	1686.9	1556.0	1477.0	1432.7	1419.2	1415.4	1421.2	1415.4
35°	2224.2	2120.2	1891.0	1685.0	1525.2	1425.0	1375.0	1359.6	1348.0	1344.1	1340.3
37.5°	2322.4	2197.2	1916.1	1675.4	1494.4	1369.2	1315.3	1282.5	1269.0	1265.2	1265.2
40°	2418.7	2272.3	1946.9	1660.0	1457.8	1313.3	1236.3	1199.7	1193.9	1193.9	1193.9
42.5°	2540.0	2370.6	1989.3	1650.3	1413.5	1257.5	1151.6	1109.2	1109.2	1109.2	1107.3
45°	2690.2	2499.6	2043.2	1646.5	1371.1	1190.1	1061.1	1005.2	1003.3	1001.4	999.4
47.5°	2865.5	2634.4	2095.2	1636.9	1321.0	1109.2	957.1	895.5	882.0	878.1	872.3
50°	3046.5	2780.7	2151.0	1623.4	1261.3	1014.9	858.9	787.6	758.7	749.1	753.0
52.5°	3239.0	2923.2	2204.9	1604.1	1190.1	920.5	758.7	683.6	654.7	643.2	641.3
55°	3427.8	3067.7	2255.0	1579.1	1113.1	824.2	674.0	600.8	575.8	571.9	571.9
57.5°	3618.4	3206.3	2293.5	1542.5	1028.3	739.5	600.8	541.1	523.8	531.5	531.5
60°	3791.7	3327.6	2312.8	1492.4	943.6	662.4	543.1	498.8	491.1	510.3	508.4
62.5°	3947.7	3408.5	2303.2	1419.2	860.8	597.0	498.8	466.0	467.9	491.1	493.0
65°	4022.8	3422.0	2247.3	1319.1	768.4	541.1	452.5	421.7	425.6	450.6	456.4
67°	4005.5	3370.0	2154.9	1205.5	693.3	498.8	423.7	392.8	394.8	416.0	417.9
67.5°	3986.2	3345.0	2129.8	1170.8	674.0	491.1	416.0	387.1	390.9	410.2	410.2
70°	3730.1	3090.8	1898.8	993.7	583.5	437.1	379.4	360.1	364.0	375.5	375.5
72.5°	3260.2	2676.7	1536.7	797.2	494.9	387.1	342.8	331.2	331.2	331.2	321.6
75°	2079.8	1677.3	1005.2	610.5	408.3	331.2	308.1	294.6	286.9	298.5	294.6
77.5°	1149.7	876.2	523.8	350.5	294.6	275.4	267.7	261.9	260.0	286.9	279.2
80°	545.0	433.3	294.6	200.3	169.5	204.1	231.1	227.2	271.5	371.7	373.6
82.5°	173.3	142.5	119.4	109.8	113.6	146.4	179.1	206.1	352.4	398.6	392.8
85°	21.2	19.3	13.5	44.3	75.1	107.8	138.7	267.7	323.5	269.6	254.2
87.5°	7.7	7.7	7.7	30.8	57.8	82.8	125.2	269.6	198.3	181.0	165.6
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)