

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: P1211827

Luminaire Tested: **GKO-PB2E-735-U-T3**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211827
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2E-735-U-T3
Description: GEKKO WALL PACK 12000LM PACKAGE 70CRI 3500K FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (20) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

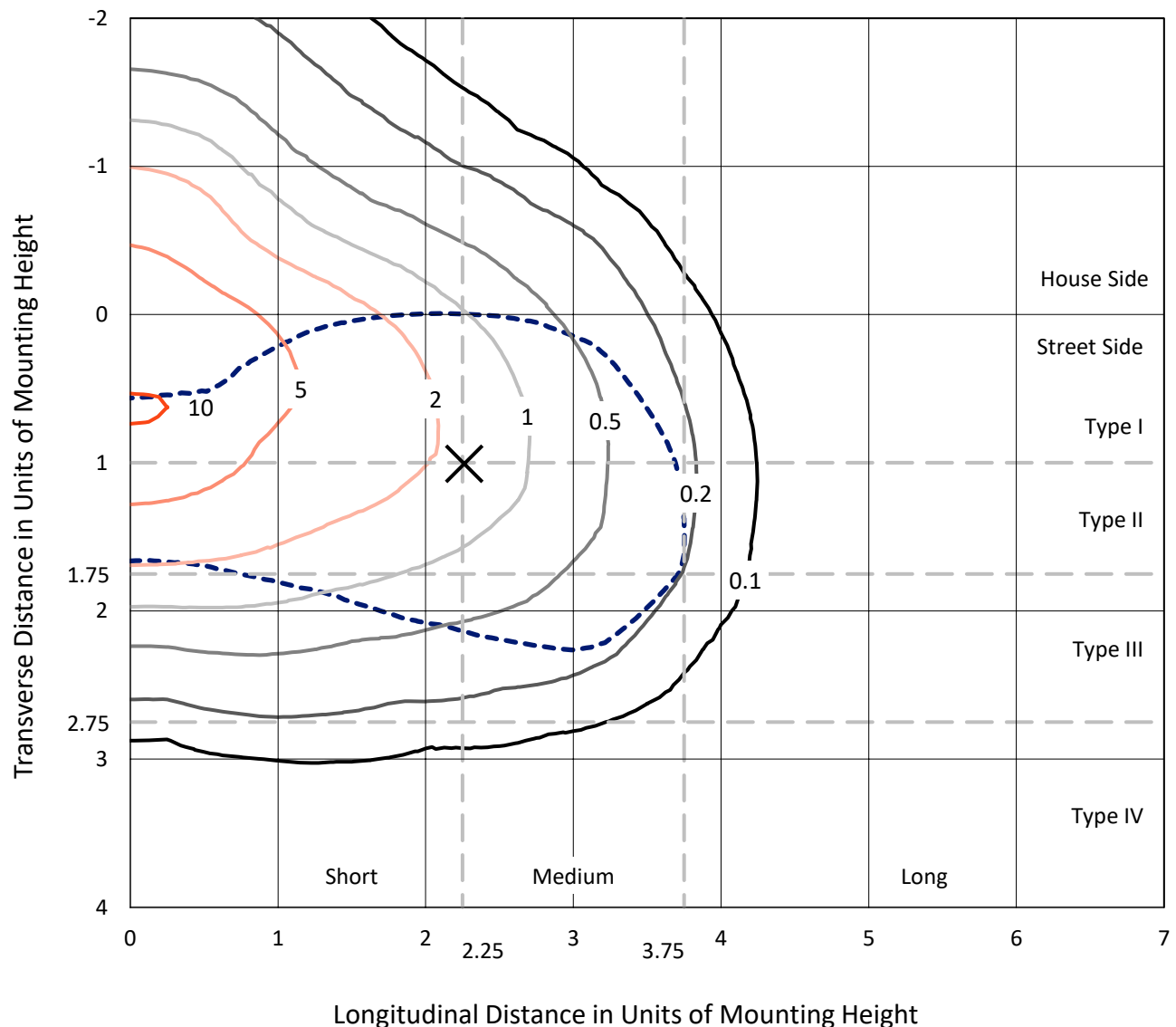
Lumens per Lamp: N/A
Luminaire Lumens: 12238.3 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 104.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 6%
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

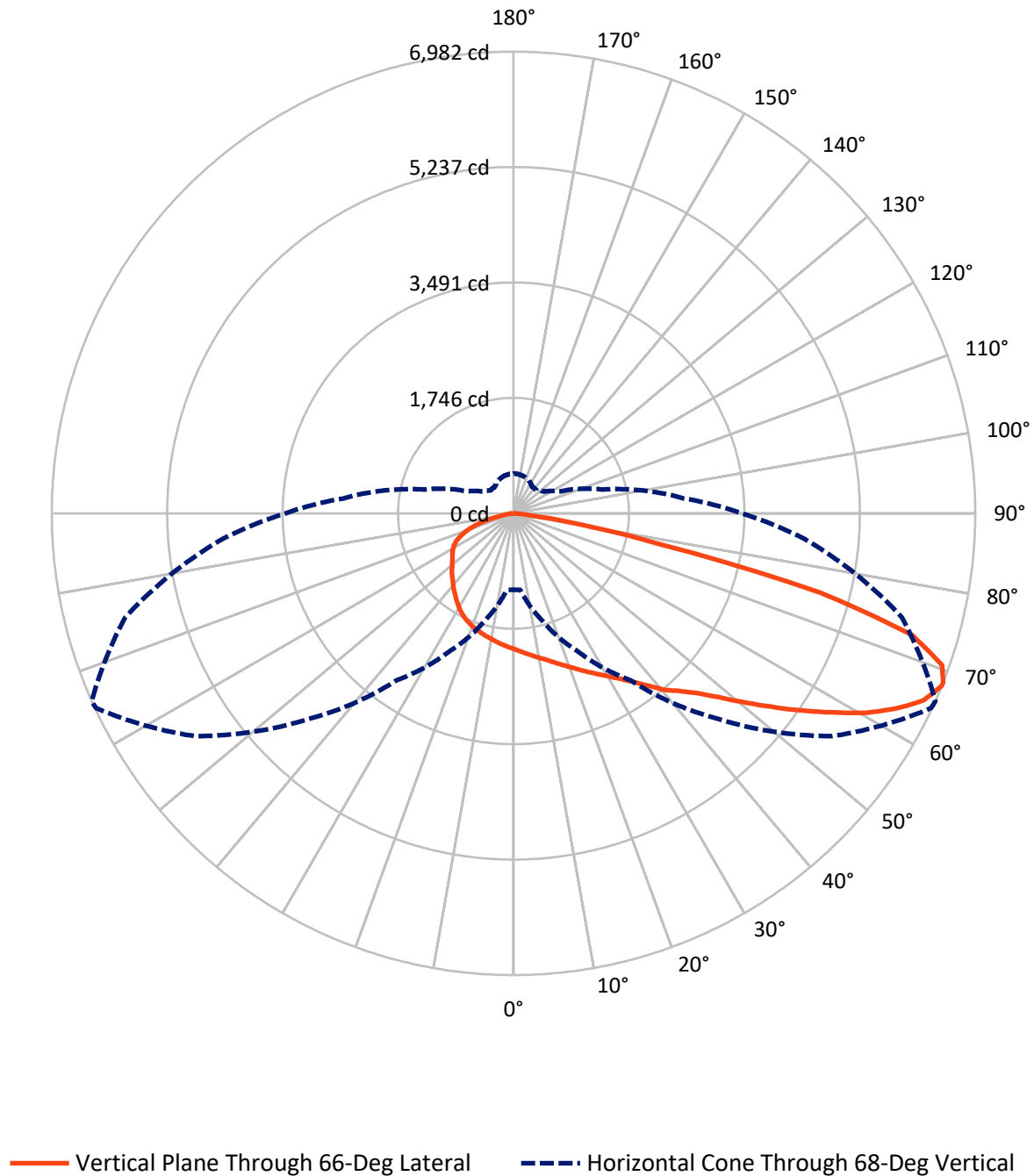
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3133.2	0.0	3133.2
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	9105.2	0.0	9105.2
	% Fixture	74.4	0.0	74.4
Total	Lumens	12238.3	0.0	12238.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.9	1.6
10°-20°	591.9	4.8
20°-30°	1020.0	8.3
30°-40°	1582.2	12.9
40°-50°	2167.5	17.7
50°-60°	2585.6	21.1
60°-70°	2590.9	21.2
70°-80°	1371.0	11.2
80°-90°	132.3	1.1
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°	12238.3	100.0
0°-180°	12238.3	100.0



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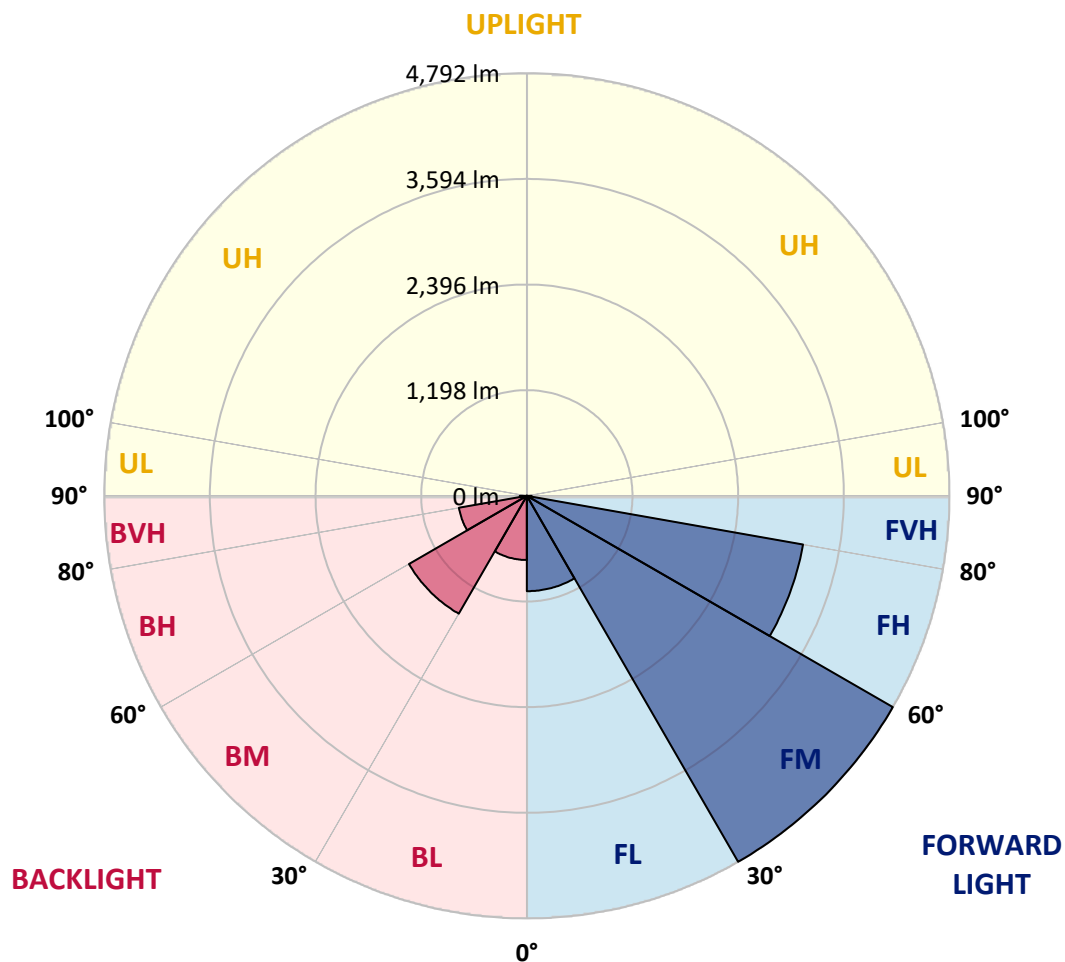
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1081.0	8.8			
FM	(30°-60°)	4791.9	39.2			
FH	(60°-80°)	3180.2	26.0			G2/5000
FVH	(80°-90°)	52.0	0.4			G1/100
BL	(0°-30°)	727.7	5.9	B2/1000		
BM	(30°-60°)	1543.4	12.6	B2/2500		
BH	(60°-80°)	781.7	6.4	B2/1000		G2/1000
BVH	(80°-90°)	80.3	0.7			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2052.6	2052.6	2052.6	2052.6	2052.6	2052.6	2052.6	2052.6	2052.6	2052.6	2052.6
2.5°	2138.2	2138.2	2133.4	2131.0	2128.7	2114.4	2104.9	2093.0	2093.0	2074.0	2057.4
5°	2211.8	2214.2	2204.7	2204.7	2195.2	2176.2	2157.2	2133.4	2133.4	2104.9	2071.6
7.5°	2276.0	2283.1	2273.6	2273.6	2264.1	2242.7	2211.8	2178.6	2178.6	2138.2	2090.7
10°	2337.7	2342.5	2337.7	2342.5	2328.2	2309.2	2273.6	2228.4	2226.1	2176.2	2109.7
12.5°	2387.6	2392.4	2394.7	2401.9	2390.0	2375.7	2342.5	2285.5	2278.3	2218.9	2133.4
15°	2435.1	2439.9	2447.0	2456.5	2454.1	2442.3	2411.4	2347.2	2342.5	2266.5	2164.3
17.5°	2473.1	2475.5	2489.8	2508.8	2513.5	2515.9	2482.7	2416.1	2411.4	2321.1	2197.6
20°	2527.8	2532.5	2546.8	2565.8	2580.1	2589.6	2563.4	2489.8	2485.0	2385.2	2240.3
22.5°	2651.3	2644.2	2651.3	2651.3	2658.5	2672.7	2653.7	2580.1	2570.6	2461.3	2292.6
25°	2884.2	2877.0	2858.0	2815.3	2767.7	2765.4	2744.0	2672.7	2660.8	2539.7	2342.5
27.5°	3209.6	3193.0	3157.4	3067.1	2953.0	2879.4	2846.1	2772.5	2758.2	2618.1	2390.0
30°	3554.1	3573.1	3513.7	3390.2	3181.1	3024.3	2960.2	2877.0	2865.1	2706.0	2447.0
32.5°	3955.6	3958.0	3898.6	3727.5	3456.7	3207.3	3098.0	2995.8	2986.3	2808.1	2523.0
35°	4188.4	4197.9	4171.8	4012.6	3703.8	3409.2	3264.3	3140.7	3133.6	2936.4	2618.1
37.5°	4430.8	4452.1	4411.8	4235.9	3891.5	3596.9	3449.6	3314.2	3307.0	3083.7	2736.9
40°	4789.5	4780.0	4737.2	4478.3	4067.3	3753.7	3632.5	3525.6	3509.0	3264.3	2858.0
42.5°	5048.5	5072.2	4979.6	4687.3	4259.7	3910.5	3815.4	3694.3	3672.9	3373.6	2929.3
45°	5136.4	5115.0	5012.8	4799.0	4511.5	4053.0	3988.9	3896.2	3874.8	3566.0	3069.5
47.5°	5155.4	5117.3	5027.1	4865.5	4725.4	4238.3	4200.3	4178.9	4148.0	3808.3	3238.1
50°	5038.9	5012.8	4970.1	4889.3	4863.1	4411.8	4430.8	4509.2	4483.0	4069.6	3425.8
52.5°	4775.2	4763.4	4801.4	4853.6	4784.7	4561.4	4704.0	4863.1	4853.6	4357.1	3627.8
55°	4278.7	4278.7	4492.5	4675.5	4715.8	4658.8	4998.6	5271.8	5259.9	4680.2	3820.2
57.5°	3824.9	3832.1	4010.3	4421.3	4592.3	4763.4	5326.4	5699.4	5680.4	5043.7	4022.1
60°	3252.4	3252.4	3523.2	4038.8	4414.1	4844.1	5616.3	6112.8	6124.7	5395.3	4221.7
62.5°	2575.3	2582.4	2957.8	3563.6	4157.5	4858.4	5846.7	6502.4	6500.0	5713.7	4376.1
65°	1898.2	1900.6	2411.4	3036.2	3772.7	4758.6	5972.6	6801.7	6816.0	5965.5	4466.4
67.5°	1233.0	1256.8	1774.7	2463.6	3228.6	4475.9	5906.1	6960.9	6977.6	6081.9	4437.9
68°	1154.6	1159.4	1679.6	2306.8	3081.3	4404.6	5875.2	6968.1	6982.3	6079.5	4409.4
70°	748.4	748.4	1202.1	1800.8	2458.9	3960.4	5606.8	6856.4	6873.0	5975.0	4202.7
72.5°	403.9	411.0	686.6	1090.5	1679.6	3064.7	5060.3	6274.3	6302.8	5402.4	3675.3
75°	282.7	287.5	399.1	610.6	914.7	1995.6	3955.6	4794.2	4789.5	3732.3	2302.1
77.5°	204.3	204.3	228.1	380.1	479.9	912.3	1957.6	2309.2	2283.1	1822.2	1161.7
80°	133.0	133.0	142.5	199.6	230.4	278.0	598.7	1000.2	1019.2	888.5	579.7
82.5°	54.6	57.0	61.8	80.8	83.2	116.4	171.1	287.5	278.0	225.7	163.9
85°	7.1	7.1	9.5	11.9	14.3	26.1	23.8	23.8	23.8	28.5	26.1
87.5°	0.0	0.0	0.0	0.0	0.0	2.4	4.8	7.1	7.1	9.5	7.1
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°	2052.6	2052.6	2052.6	2052.6	2052.6	2052.6	2052.6	2052.6	2052.6	2052.6	2052.6
2.5°	2052.6	2052.6	2038.4	2024.1	2009.9	1998.0	1981.4	1969.5	1971.9	1979.0	1976.6
5°	2064.5	2052.6	2024.1	1993.2	1969.5	1948.1	1917.2	1900.6	1898.2	1903.0	1900.6
7.5°	2071.6	2052.6	2009.9	1962.4	1924.4	1895.8	1853.1	1836.4	1829.3	1831.7	1831.7
10°	2085.9	2055.0	1995.6	1929.1	1881.6	1841.2	1796.1	1772.3	1765.2	1765.2	1762.8
12.5°	2102.5	2059.8	1981.4	1900.6	1838.8	1791.3	1739.0	1712.9	1705.8	1705.8	1703.4
15°	2119.2	2066.9	1967.1	1869.7	1798.4	1741.4	1691.5	1660.6	1651.1	1651.1	1655.9
17.5°	2140.5	2074.0	1952.9	1841.2	1755.7	1691.5	1639.3	1608.4	1596.5	1603.6	1608.4
20°	2161.9	2088.3	1938.6	1810.3	1712.9	1646.4	1594.1	1563.2	1551.4	1563.2	1565.6
22.5°	2192.8	2100.2	1922.0	1774.7	1670.1	1596.5	1549.0	1520.5	1513.3	1525.2	1534.7
25°	2223.7	2114.4	1900.6	1736.7	1615.5	1544.2	1506.2	1484.8	1487.2	1503.8	1513.3
27.5°	2257.0	2126.3	1879.2	1689.2	1556.1	1489.6	1461.1	1456.3	1465.8	1484.8	1496.7
30°	2297.3	2142.9	1850.7	1634.5	1489.6	1430.2	1418.3	1432.6	1449.2	1468.2	1480.1
32.5°	2349.6	2164.3	1822.2	1572.7	1420.7	1366.1	1385.1	1415.9	1434.9	1454.0	1465.8
35°	2423.3	2207.1	1805.6	1511.0	1347.0	1311.4	1354.2	1404.1	1418.3	1430.2	1444.5
37.5°	2508.8	2264.1	1798.4	1454.0	1280.5	1263.9	1323.3	1382.7	1387.4	1392.2	1406.4
40°	2591.9	2306.8	1779.4	1392.2	1211.6	1211.6	1285.3	1342.3	1339.9	1332.8	1342.3
42.5°	2625.2	2302.1	1724.8	1332.8	1157.0	1159.4	1225.9	1280.5	1266.3	1266.3	1280.5
45°	2720.2	2340.1	1684.4	1285.3	1107.1	1097.6	1149.9	1192.6	1216.4	1247.3	1261.5
47.5°	2841.4	2392.4	1653.5	1230.6	1059.6	1028.7	1057.2	1128.5	1168.9	1202.1	1214.0
50°	2967.3	2451.8	1625.0	1173.6	1012.1	950.3	964.6	1043.0	1078.6	1095.2	1102.3
52.5°	3095.6	2506.4	1603.6	1126.1	957.4	857.6	888.5	962.2	988.3	997.8	1002.6
55°	3209.6	2551.5	1584.6	1085.7	895.7	784.0	807.8	883.8	902.8	912.3	919.4
57.5°	3330.8	2601.4	1572.7	1047.7	826.8	719.8	736.5	805.4	831.5	841.0	848.1
60°	3437.7	2649.0	1563.2	1007.3	762.6	662.8	672.3	738.9	767.4	772.1	779.2
62.5°	3509.0	2679.8	1549.0	957.4	703.2	608.2	610.6	674.7	705.6	710.3	715.1
65°	3528.0	2672.7	1506.2	890.9	643.8	553.5	553.5	615.3	648.6	665.2	672.3
67.5°	3471.0	2613.3	1415.9	805.4	586.8	503.7	503.7	558.3	593.9	612.9	620.1
68°	3452.0	2587.2	1387.4	784.0	572.6	491.8	491.8	548.8	582.1	598.7	603.4
70°	3290.4	2458.9	1256.8	703.2	527.4	456.1	456.1	506.0	541.7	541.7	539.3
72.5°	2858.0	2131.0	1033.4	589.2	460.9	403.9	411.0	458.5	470.4	482.3	479.9
75°	1769.9	1275.8	693.7	465.6	387.2	354.0	368.2	411.0	418.1	444.3	437.1
77.5°	886.2	624.8	368.2	270.8	299.3	304.1	330.2	361.1	382.5	411.0	392.0
80°	437.1	304.1	216.2	168.7	175.8	223.3	287.5	311.2	349.2	368.2	351.6
82.5°	121.2	92.7	87.9	92.7	130.7	173.4	225.7	275.6	325.5	342.1	318.3
85°	21.4	16.6	14.3	45.1	90.3	128.3	182.9	244.7	292.2	280.3	263.7
87.5°	7.1	4.8	4.8	28.5	66.5	104.5	156.8	218.6	249.5	225.7	201.9
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)