

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: P1211807

Luminaire Tested: **GKO-PB2E-840-U-T4W**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211807
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2E-840-U-T4W
Description: GEKKO WALL PACK 12000LM PACKAGE 80CRI 4000K FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC
Light Source: (20) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

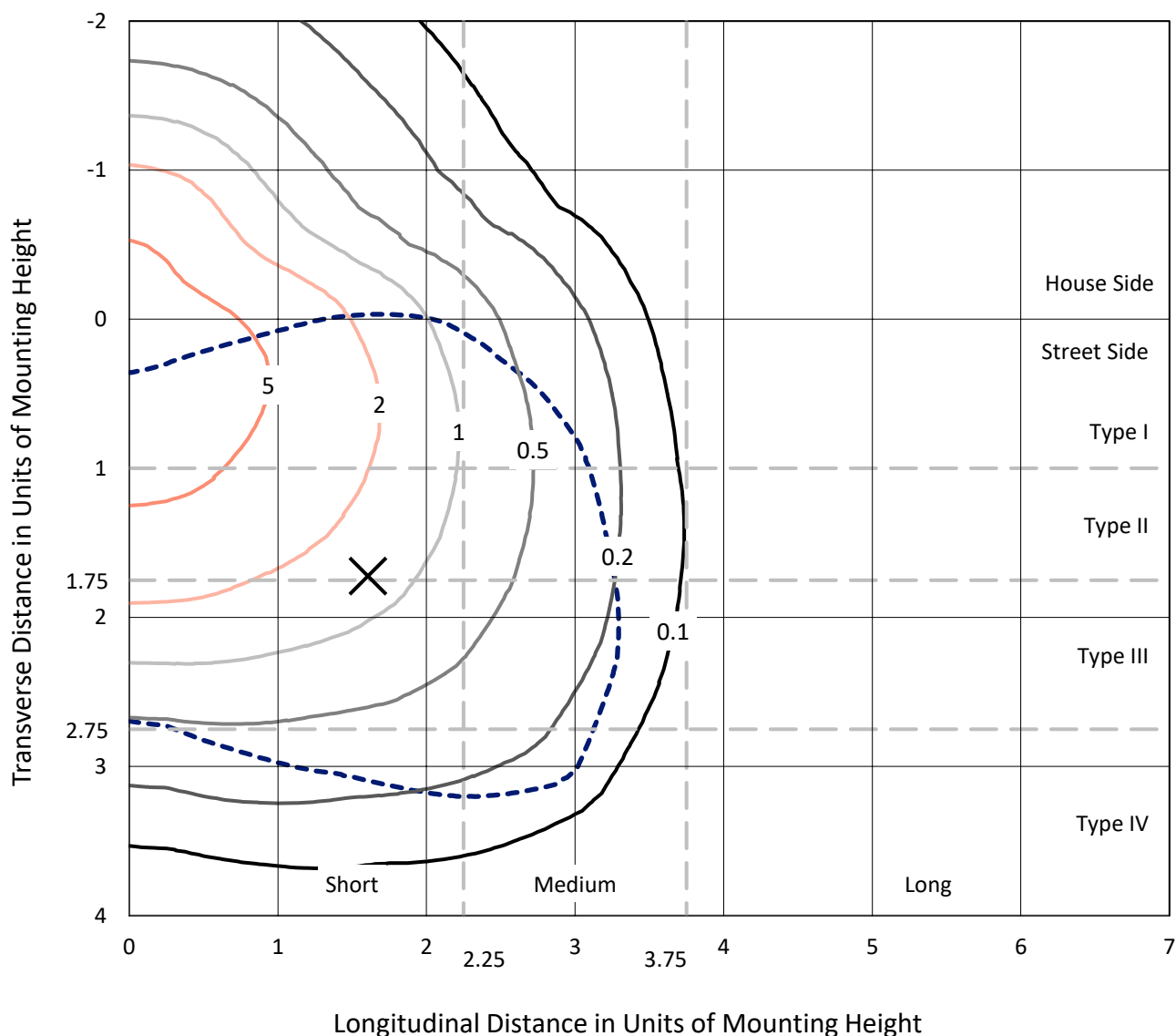
Lumens per Lamp: N/A
Luminaire Lumens: 11458.3 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 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

REPORT NUMBER: P1211807
 CATALOG NUMBER: GKO-PB2E-840-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

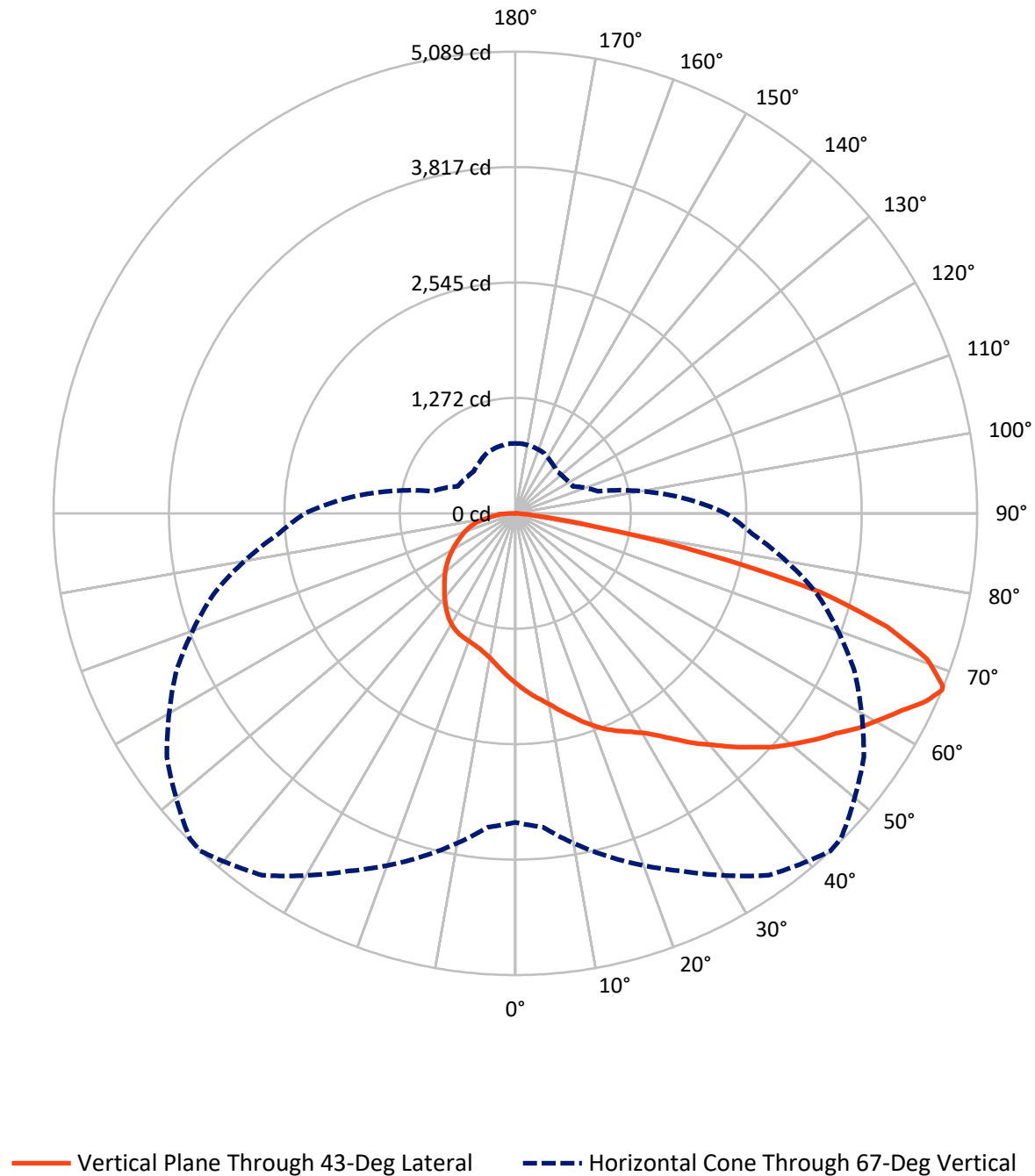
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P1211807
CATALOG NUMBER: GKO-PB2E-840-U-T4W

Luminous Intensity Polar Plot



REPORT NUMBER: P1211807

CATALOG NUMBER: GKO-PB2E-840-U-T4W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3081.9	0.0	3081.9
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	8376.4	0.0	8376.4
	% Fixture	73.1	0.0	73.1
Total	Lumens	11458.3	0.0	11458.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.8	1.6
10°-20°	552.5	4.8
20°-30°	956.6	8.3
30°-40°	1419.6	12.4
40°-50°	1928.5	16.8
50°-60°	2367.4	20.7
60°-70°	2495.1	21.8
70°-80°	1377.3	12.0
80°-90°	181.4	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°	11458.3	100.0
0°-180°	11458.3	100.0



REPORT NUMBER: P1211807

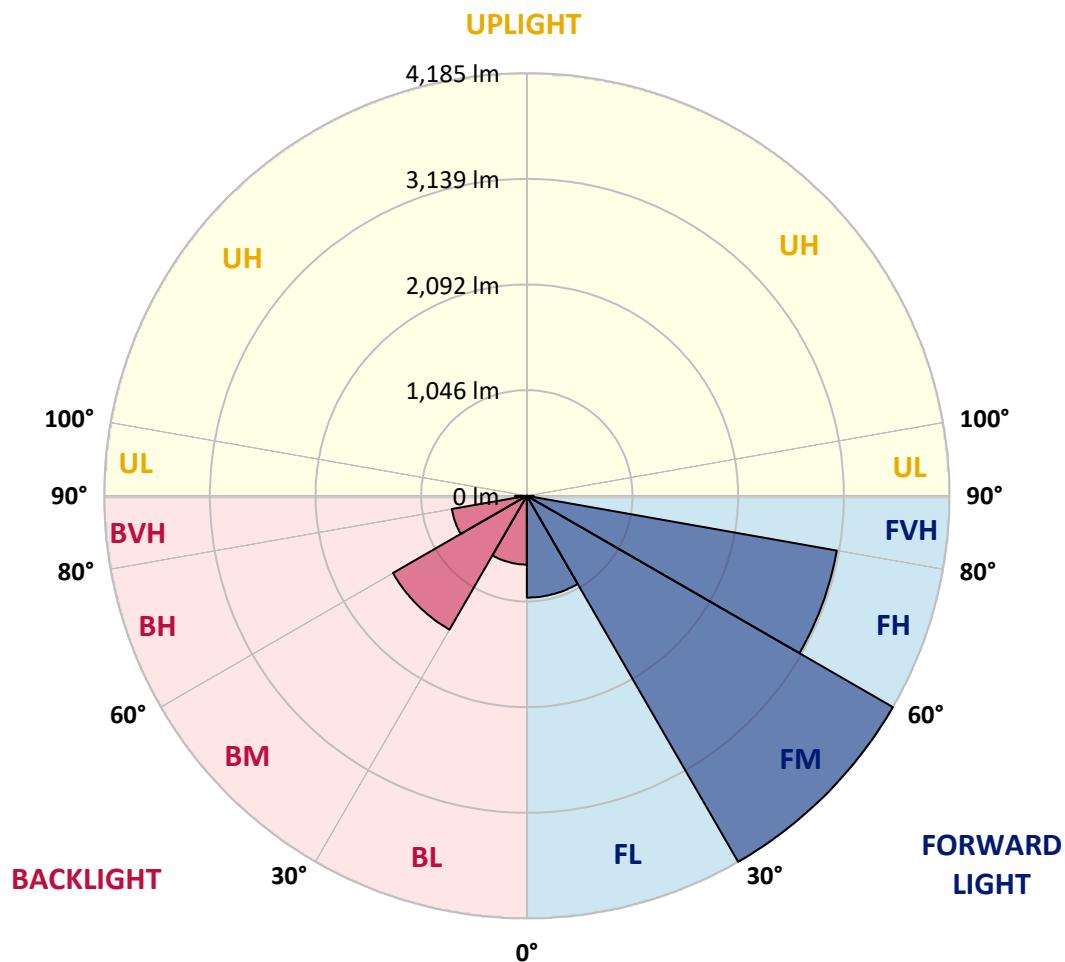
CATALOG NUMBER: GKO-PB2E-840-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1008.0	8.8			
FM	(30°-60°)	4184.9	36.5			
FH	(60°-80°)	3117.2	27.2			G2/5000
FVH	(80°-90°)	66.3	0.6			G1/100
BL	(0°-30°)	680.9	5.9	B2/1000		
BM	(30°-60°)	1530.7	13.4	B2/2500		
BH	(60°-80°)	755.2	6.6	B2/1000		G2/1000
BVH	(80°-90°)	115.2	1.0			G2/225
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





REPORT NUMBER: P1211807

CATALOG NUMBER: GKO-PB2E-840-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1880.7	1880.7	1880.7	1880.7	1880.7	1880.7	1880.7	1880.7	1880.7	1880.7	1880.7
2.5°	1967.9	1972.4	1967.9	1963.3	1954.1	1949.5	1944.9	1933.5	1919.7	1899.1	1883.0
5°	2055.0	2055.0	2048.1	2043.5	2029.8	2016.0	2009.1	1981.6	1951.8	1917.4	1885.3
7.5°	2135.3	2144.5	2133.0	2121.5	2100.9	2077.9	2073.4	2032.1	1990.8	1944.9	1896.8
10°	2236.2	2243.1	2227.0	2217.9	2178.9	2149.0	2139.9	2089.4	2034.4	1977.0	1915.1
12.5°	2339.4	2344.0	2332.5	2311.9	2270.6	2233.9	2220.1	2153.6	2082.5	2013.7	1935.7
15°	2428.9	2433.4	2428.9	2405.9	2366.9	2321.1	2302.7	2229.3	2142.2	2052.7	1961.0
17.5°	2495.4	2504.5	2504.5	2493.1	2458.7	2415.1	2403.6	2311.9	2211.0	2098.6	1990.8
20°	2552.7	2557.3	2566.5	2559.6	2541.2	2504.5	2488.5	2401.3	2279.8	2151.3	2020.6
22.5°	2598.6	2603.2	2619.2	2616.9	2605.5	2587.1	2571.1	2490.8	2360.1	2204.1	2048.1
25°	2678.9	2676.6	2685.7	2678.9	2665.1	2658.2	2649.0	2577.9	2440.3	2266.0	2084.8
27.5°	2818.8	2814.2	2805.0	2770.6	2736.2	2727.0	2720.1	2669.7	2534.4	2337.1	2126.1
30°	3025.2	3029.8	2986.2	2908.2	2839.4	2811.9	2802.7	2768.3	2639.9	2419.7	2172.0
32.5°	3270.6	3268.3	3197.2	3087.1	2979.3	2924.3	2905.9	2869.2	2745.4	2502.3	2224.7
35°	3447.2	3442.6	3405.9	3307.3	3194.9	3064.2	3029.8	2972.4	2857.8	2596.3	2277.5
37.5°	3685.7	3678.8	3607.7	3504.5	3403.6	3215.5	3176.6	3098.6	2965.5	2688.0	2337.1
40°	3958.6	3915.1	3798.1	3692.6	3555.0	3355.4	3323.3	3222.4	3089.4	2800.4	2405.9
42.5°	4206.4	4142.1	3990.8	3857.7	3685.7	3520.6	3479.3	3360.0	3208.7	2903.6	2477.0
45°	4577.9	4421.9	4204.1	4126.1	3827.9	3676.5	3642.1	3495.4	3339.4	3016.0	2548.1
47.5°	4532.0	4421.9	4350.8	4341.7	3977.0	3846.3	3795.8	3644.4	3479.3	3135.3	2621.5
50°	4621.5	4534.3	4538.9	4426.5	4112.3	3990.8	3954.1	3800.4	3621.5	3252.2	2699.5
52.5°	4603.1	4628.4	4614.6	4440.3	4243.0	4142.1	4114.6	3960.9	3756.8	3364.6	2768.3
55°	4749.9	4736.2	4706.3	4534.3	4387.5	4284.3	4261.4	4128.4	3894.4	3461.0	2827.9
57.5°	4857.7	4786.6	4784.3	4639.8	4548.1	4463.2	4426.5	4300.4	4022.9	3545.8	2873.8
60°	4791.2	4706.3	4768.3	4655.9	4646.7	4614.6	4594.0	4451.8	4137.5	3610.0	2892.2
62.5°	4435.7	4456.3	4639.8	4633.0	4754.5	4784.3	4761.4	4557.3	4213.2	3633.0	2878.4
65°	3965.5	4027.5	4309.6	4550.4	4880.7	4983.9	4960.9	4633.0	4206.4	3580.2	2786.7
67°	3405.9	3472.4	3912.8	4350.8	4869.2	5089.4	5073.3	4688.0	4123.8	3444.9	2621.5
67.5°	3282.1	3357.7	3798.1	4259.1	4827.9	5080.2	5068.7	4692.6	4096.3	3380.7	2557.3
70°	2415.1	2504.5	3126.1	3743.1	4497.6	4814.1	4811.8	4520.6	3811.9	3032.1	2217.9
72.5°	1504.6	1584.8	2229.3	2919.7	3896.7	4286.6	4270.6	3938.0	3282.1	2474.7	1750.0
75°	922.0	972.5	1403.6	1903.6	2825.6	3470.1	3493.1	3077.9	2238.5	1470.2	988.5
77.5°	564.2	619.3	885.3	1174.3	1727.0	2158.2	2162.8	1706.4	1149.1	800.4	541.3
80°	314.2	328.0	461.0	614.7	885.3	889.9	853.2	752.3	596.3	385.3	277.5
82.5°	123.9	133.0	199.5	247.7	252.3	263.8	245.4	222.5	188.1	123.9	87.2
85°	0.0	0.0	0.0	4.6	16.1	32.1	32.1	22.9	9.2	6.9	6.9
87.5°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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: P1211807

CATALOG NUMBER: GKO-PB2E-840-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1880.7	1880.7	1880.7	1880.7	1880.7	1880.7	1880.7	1880.7	1880.7	1880.7	1880.7
2.5°	1878.4	1876.1	1860.1	1841.7	1828.0	1816.5	1805.0	1791.3	1791.3	1795.8	1793.5
5°	1873.8	1862.4	1832.5	1800.4	1775.2	1752.3	1731.6	1713.3	1711.0	1713.3	1715.6
7.5°	1876.1	1855.5	1809.6	1761.4	1720.2	1690.3	1660.5	1646.8	1644.5	1644.5	1644.5
10°	1885.3	1855.5	1793.5	1727.0	1676.6	1633.0	1600.9	1587.1	1589.4	1591.7	1594.0
12.5°	1901.3	1860.1	1782.1	1697.2	1633.0	1589.4	1557.3	1545.8	1555.0	1566.5	1568.8
15°	1917.4	1869.2	1770.6	1672.0	1598.6	1550.4	1527.5	1525.2	1541.3	1561.9	1566.5
17.5°	1935.7	1876.1	1756.9	1639.9	1561.9	1522.9	1511.4	1518.3	1543.6	1575.7	1582.5
20°	1954.1	1885.3	1740.8	1610.1	1527.5	1500.0	1506.9	1527.5	1559.6	1598.6	1605.5
22.5°	1972.4	1892.2	1720.2	1573.4	1490.8	1481.6	1506.9	1541.3	1573.4	1616.9	1626.1
25°	1993.1	1901.3	1694.9	1527.5	1454.1	1461.0	1504.6	1545.8	1580.2	1626.1	1637.6
27.5°	2025.2	1915.1	1669.7	1486.2	1412.8	1435.8	1493.1	1543.6	1580.2	1623.8	1637.6
30°	2057.3	1928.9	1649.1	1442.6	1371.5	1401.4	1470.2	1532.1	1568.8	1607.8	1626.1
32.5°	2094.0	1947.2	1630.7	1399.1	1325.7	1362.4	1438.0	1506.9	1550.4	1584.8	1603.2
35°	2133.0	1974.7	1616.9	1360.1	1279.8	1311.9	1389.9	1474.7	1518.3	1550.4	1566.5
37.5°	2183.4	2004.6	1607.8	1321.1	1231.6	1259.2	1339.4	1428.9	1479.3	1504.6	1525.2
40°	2238.5	2048.1	1607.8	1289.0	1185.8	1204.1	1286.7	1383.0	1433.5	1454.1	1474.7
42.5°	2293.5	2091.7	1605.5	1256.9	1137.6	1151.4	1233.9	1332.5	1380.7	1396.8	1412.8
45°	2357.8	2142.2	1603.2	1220.2	1084.8	1098.6	1183.5	1282.1	1328.0	1341.7	1355.5
47.5°	2426.6	2192.6	1594.0	1174.3	1036.7	1048.1	1133.0	1224.8	1270.6	1286.7	1300.4
50°	2488.5	2240.8	1571.1	1121.5	993.1	1004.6	1080.3	1155.9	1197.2	1215.6	1229.3
52.5°	2543.5	2275.2	1534.4	1061.9	944.9	958.7	1016.0	1082.6	1114.7	1128.4	1137.6
55°	2587.1	2293.5	1474.7	1004.6	899.1	905.9	951.8	1011.5	1036.7	1039.0	1045.9
57.5°	2616.9	2291.2	1394.5	938.1	853.2	855.5	887.6	940.4	958.7	956.4	961.0
60°	2623.8	2261.4	1298.1	876.1	807.3	800.4	832.6	869.3	880.7	889.9	901.4
62.5°	2596.3	2190.3	1188.1	814.2	761.5	750.0	772.9	805.0	823.4	828.0	832.6
65°	2495.4	2059.6	1055.0	750.0	715.6	694.9	720.2	766.0	795.9	805.0	802.7
67°	2318.8	1876.1	940.4	701.8	669.7	651.4	688.1	736.2	756.9	770.6	770.6
67.5°	2261.4	1809.6	901.4	685.8	658.2	642.2	676.6	722.5	750.0	766.0	766.0
70°	1919.7	1483.9	761.5	605.5	591.7	594.0	635.3	685.8	720.2	736.2	736.2
72.5°	1463.3	1149.1	619.3	527.5	522.9	539.0	591.7	637.6	681.2	708.7	706.4
75°	830.3	662.8	451.8	431.2	449.5	481.6	548.2	598.6	637.6	665.1	662.8
77.5°	483.9	399.1	311.9	295.9	348.6	422.0	490.8	555.0	582.6	591.7	584.9
80°	245.4	208.7	195.0	201.8	233.9	314.2	428.9	504.6	525.2	532.1	525.2
82.5°	78.0	71.1	78.0	103.2	156.0	247.7	346.3	456.4	481.6	481.6	479.3
85°	4.6	4.6	4.6	45.9	107.8	183.5	270.6	399.1	451.8	447.2	440.4
87.5°	2.3	2.3	2.3	29.8	84.9	153.7	238.5	362.4	431.2	399.1	376.1
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)