

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: P1211898

Luminaire Tested: **GKO-PB2D-827-U-T2R**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211898
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2D-827-U-T2R
Description: GEKKO WALL PACK 10000LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (20) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

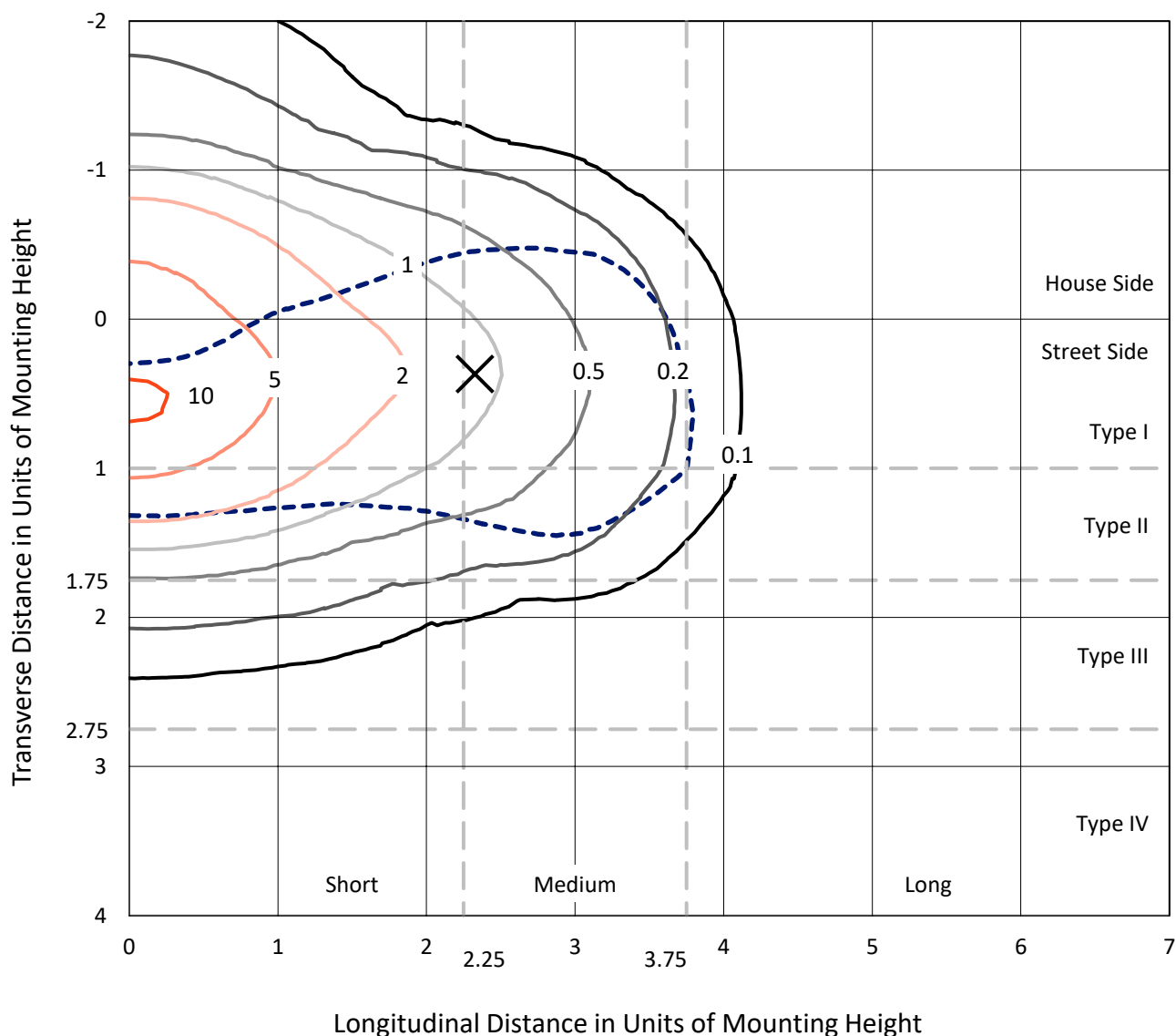
Lumens per Lamp: N/A
Luminaire Lumens: 8914.8 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

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: P1211898
 CATALOG NUMBER: GKO-PB2D-827-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

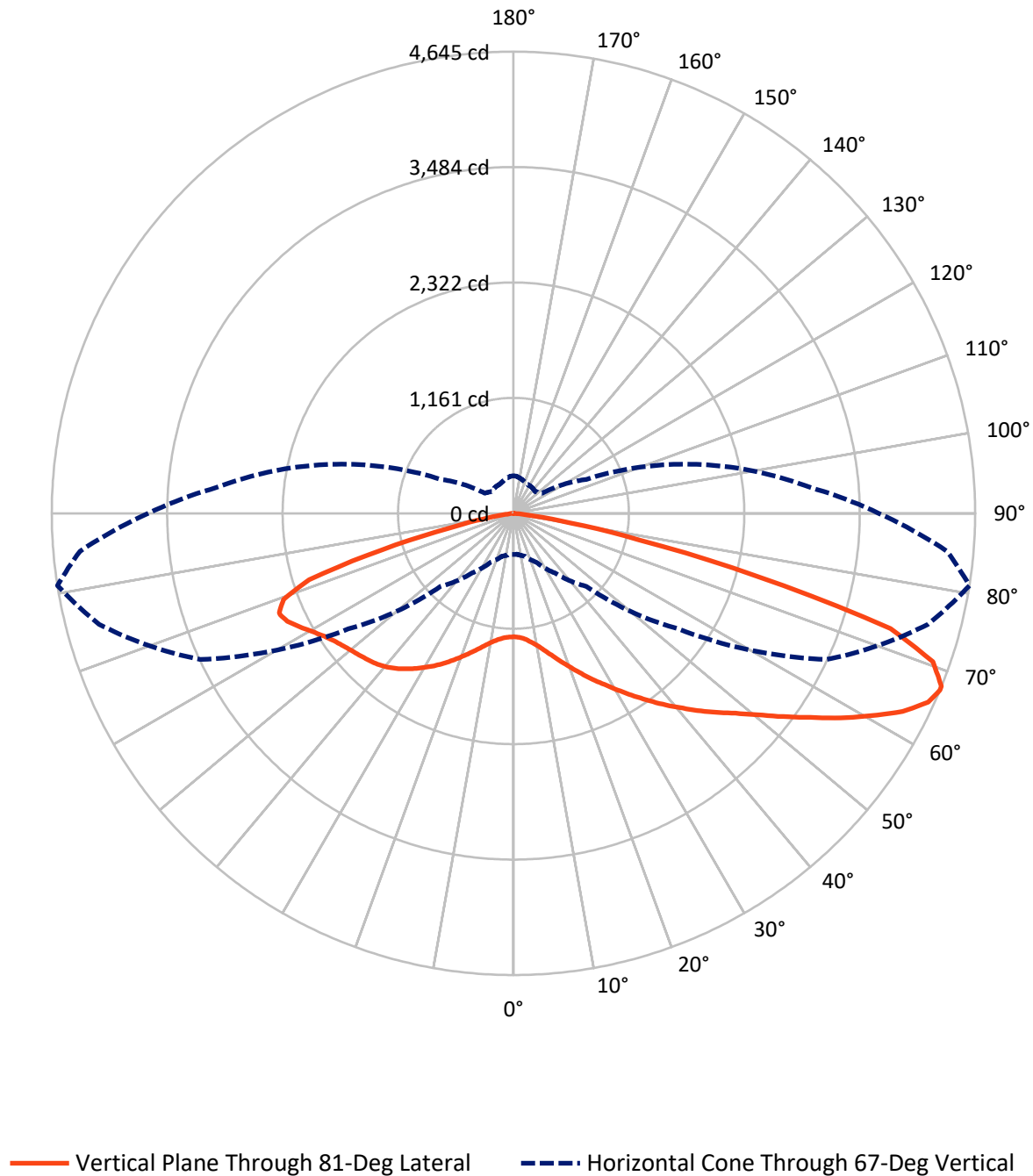
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P1211898
CATALOG NUMBER: GKO-PB2D-827-U-T2R

Luminous Intensity Polar Plot



REPORT NUMBER: P1211898

CATALOG NUMBER: GKO-PB2D-827-U-T2R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2752.8	0.0	2752.8
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	6161.9	0.0	6161.9
	% Fixture	69.1	0.0	69.1
Total	Lumens	8914.8	0.0	8914.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.6	1.4
10°-20°	465.6	5.2
20°-30°	943.2	10.6
30°-40°	1487.3	16.7
40°-50°	1826.5	20.5
50°-60°	1744.9	19.6
60°-70°	1463.3	16.4
70°-80°	775.2	8.7
80°-90°	80.1	0.9
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°	8914.8	100.0
0°-180°	8914.8	100.0

Coefficient of Utilization



REPORT NUMBER: P1211898

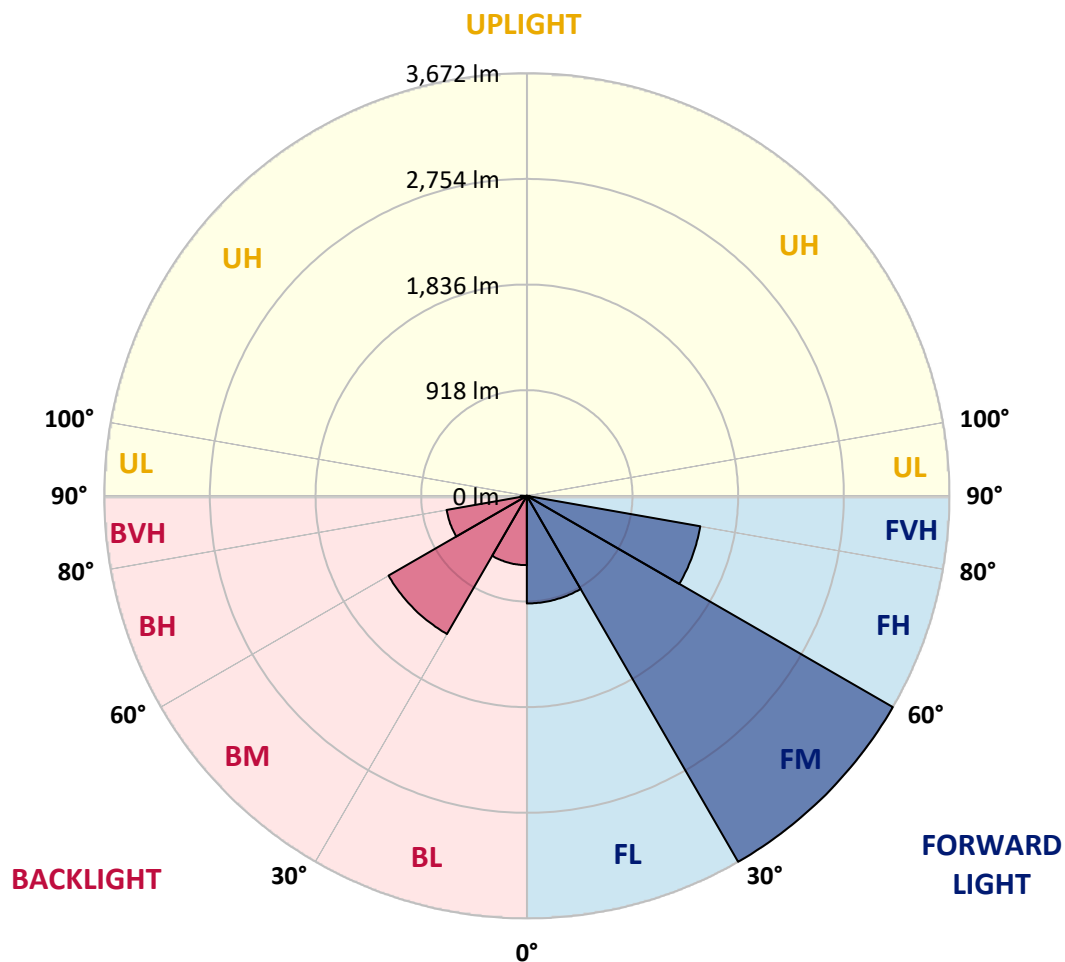
CATALOG NUMBER: GKO-PB2D-827-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	935.0	10.5			
FM	(30°-60°)	3671.7	41.2			
FH	(60°-80°)	1530.3	17.2			G1/1800
FVH	(80°-90°)	24.9	0.3			G1/100
BL	(0°-30°)	602.4	6.8	B2/1000		
BM	(30°-60°)	1387.1	15.6	B2/2500		
BH	(60°-80°)	708.1	7.9	B2/1000		G2/1000
BVH	(80°-90°)	55.2	0.6			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: P1211898

CATALOG NUMBER: GKO-PB2D-827-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	1241.8	1241.8	1241.8	1241.8	1241.8	1241.8	1241.8	1241.8	1241.8	1241.8	1241.8
2.5°	1313.5	1316.9	1310.0	1308.3	1301.5	1291.3	1279.3	1270.8	1257.2	1250.3	1246.9
5°	1438.0	1431.2	1426.0	1417.5	1393.6	1373.2	1339.0	1315.2	1289.6	1272.5	1267.4
7.5°	1589.8	1593.2	1576.1	1554.0	1519.9	1478.9	1424.3	1380.0	1332.2	1310.0	1299.8
10°	1755.3	1768.9	1751.8	1724.5	1659.7	1598.3	1531.8	1455.0	1390.2	1356.1	1342.5
12.5°	1956.5	1965.1	1942.9	1907.1	1828.6	1736.5	1642.7	1547.1	1461.9	1419.2	1395.3
15°	2181.7	2174.9	2152.7	2099.8	1999.2	1896.8	1768.9	1644.4	1543.7	1490.9	1456.7
17.5°	2413.7	2405.2	2376.2	2307.9	2193.6	2065.7	1913.9	1757.0	1630.7	1572.7	1526.7
20°	2635.4	2626.9	2606.4	2529.7	2391.5	2234.6	2057.2	1886.6	1729.7	1658.0	1606.8
22.5°	2881.1	2874.2	2841.8	2748.0	2599.6	2427.3	2220.9	2017.9	1837.1	1751.8	1690.4
25°	3147.2	3148.9	3113.1	2981.7	2814.5	2613.3	2396.6	2166.3	1958.2	1850.8	1780.8
27.5°	3457.6	3455.9	3394.5	3252.9	3043.1	2811.1	2570.6	2321.6	2077.6	1951.4	1871.2
30°	3739.1	3732.3	3664.0	3522.4	3280.2	3019.2	2754.8	2471.7	2212.4	2062.3	1965.1
32.5°	3947.2	3948.9	3892.6	3737.4	3500.3	3222.2	2927.1	2640.6	2342.0	2181.7	2074.2
35°	4097.3	4099.0	4044.4	3911.4	3689.6	3411.6	3109.6	2799.2	2487.0	2304.5	2188.5
37.5°	4145.1	4145.1	4109.2	4005.2	3824.4	3582.1	3288.8	2980.0	2632.0	2437.6	2304.5
40°	4080.2	4085.4	4083.6	4015.4	3890.9	3699.8	3454.2	3154.0	2794.1	2568.9	2422.2
42.5°	3933.5	3937.0	3942.1	3916.5	3877.2	3763.0	3587.3	3331.4	2956.1	2712.2	2538.2
45°	3691.3	3705.0	3730.6	3740.8	3756.1	3747.6	3669.1	3496.9	3136.9	2855.5	2652.5
47.5°	3384.3	3406.5	3440.6	3502.0	3587.3	3655.5	3689.6	3624.8	3312.6	3003.9	2780.4
50°	2957.8	2981.7	3073.8	3201.8	3370.6	3503.7	3633.3	3720.3	3508.8	3184.7	2923.7
52.5°	2367.6	2418.8	2574.0	2819.7	3109.6	3307.5	3513.9	3766.4	3708.4	3397.9	3094.3
55°	1801.3	1820.1	2019.6	2314.7	2761.7	3096.0	3350.2	3742.5	3896.0	3621.4	3288.8
57.5°	1258.9	1279.3	1453.3	1775.7	2270.4	2819.7	3186.4	3662.3	4066.6	3884.1	3512.2
60°	893.8	916.0	1045.6	1284.5	1763.8	2417.1	3034.6	3560.0	4215.0	4133.1	3769.8
62.5°	649.9	661.8	730.1	931.4	1274.2	1890.0	2818.0	3493.4	4319.0	4392.4	4034.2
65°	498.1	510.0	549.3	675.5	941.6	1381.7	2429.0	3491.7	4346.3	4583.4	4262.8
67°	414.5	412.8	446.9	542.4	735.2	1038.8	2028.2	3478.1	4315.6	4644.9	4378.7
67.5°	392.3	399.2	426.4	506.6	694.3	956.9	1941.2	3455.9	4305.4	4643.1	4387.3
70°	312.2	313.9	337.7	400.9	522.0	694.3	1397.0	3237.6	4150.2	4476.0	4291.8
72.5°	228.6	226.9	262.7	303.6	399.2	504.9	936.5	2719.0	3814.1	3965.9	3815.8
75°	168.9	167.2	185.9	232.0	284.9	377.0	607.3	1774.0	2582.6	2522.9	2330.1
77.5°	112.6	116.0	133.1	170.6	203.0	233.7	303.6	817.1	1422.6	1286.2	1238.4
80°	68.2	63.1	75.1	97.2	117.7	119.4	129.6	353.1	610.7	581.7	545.9
82.5°	23.9	23.9	29.0	39.2	39.2	39.2	47.8	85.3	121.1	110.9	105.8
85°	0.0	0.0	0.0	0.0	3.4	5.1	3.4	6.8	11.9	13.6	13.6
87.5°	0.0	0.0	0.0	0.0	0.0	1.7	1.7	3.4	5.1	6.8	6.8
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: P1211898

CATALOG NUMBER: GKO-PB2D-827-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1241.8	1241.8	1241.8	1241.8	1241.8	1241.8	1241.8	1241.8	1241.8	1241.8	1241.8
2.5°	1246.9	1246.9	1241.8	1235.0	1231.6	1229.9	1224.8	1217.9	1223.0	1228.2	1228.2
5°	1264.0	1260.6	1250.3	1243.5	1238.4	1238.4	1231.6	1229.9	1235.0	1240.1	1238.4
7.5°	1291.3	1284.5	1272.5	1262.3	1264.0	1265.7	1255.5	1255.5	1260.6	1265.7	1265.7
10°	1328.8	1316.9	1304.9	1296.4	1298.1	1299.8	1289.6	1286.2	1291.3	1296.4	1299.8
12.5°	1376.6	1361.2	1347.6	1339.0	1337.3	1339.0	1328.8	1325.4	1325.4	1328.8	1328.8
15°	1432.9	1415.8	1398.7	1386.8	1383.4	1381.7	1368.0	1356.1	1356.1	1357.8	1357.8
17.5°	1497.7	1473.8	1451.6	1438.0	1429.4	1417.5	1402.2	1385.1	1380.0	1381.7	1381.7
20°	1562.5	1536.9	1507.9	1489.1	1472.1	1451.6	1427.7	1405.6	1395.3	1395.3	1393.6
22.5°	1637.6	1603.4	1564.2	1538.6	1507.9	1473.8	1439.7	1410.7	1400.4	1397.0	1397.0
25°	1714.3	1675.1	1618.8	1579.6	1535.2	1485.7	1441.4	1402.2	1385.1	1378.3	1378.3
27.5°	1792.8	1746.7	1673.4	1617.1	1552.3	1484.0	1424.3	1374.9	1351.0	1342.5	1339.0
30°	1881.5	1815.0	1721.1	1644.4	1555.7	1468.7	1391.9	1333.9	1298.1	1277.6	1279.3
32.5°	1973.6	1890.0	1765.5	1661.4	1550.6	1439.7	1342.5	1269.1	1223.0	1204.3	1197.5
35°	2067.4	1961.7	1804.7	1670.0	1533.5	1395.3	1279.3	1197.5	1146.3	1119.0	1119.0
37.5°	2162.9	2036.7	1832.0	1668.3	1502.8	1337.3	1206.0	1119.0	1059.3	1025.2	1016.6
40°	2256.8	2106.6	1852.5	1654.6	1456.7	1267.4	1127.5	1033.7	953.5	909.2	902.4
42.5°	2348.9	2164.6	1862.7	1632.4	1402.2	1190.6	1038.8	912.6	835.8	794.9	793.2
45°	2432.4	2210.7	1864.4	1603.4	1330.5	1103.6	919.4	798.3	721.5	678.9	678.9
47.5°	2514.3	2261.9	1862.7	1565.9	1252.0	991.1	793.2	675.5	605.6	578.3	569.7
50°	2613.3	2313.0	1861.0	1519.9	1151.4	856.3	670.4	569.7	510.0	482.7	482.7
52.5°	2713.9	2372.7	1864.4	1455.0	1032.0	725.0	561.2	472.5	433.3	416.2	414.5
55°	2843.5	2435.9	1873.0	1378.3	907.5	597.0	467.4	407.7	380.4	371.9	373.6
57.5°	3000.5	2522.9	1890.0	1287.9	762.5	489.6	400.9	368.4	361.6	365.0	366.7
60°	3179.6	2630.3	1913.9	1185.5	634.6	407.7	361.6	354.8	361.6	375.3	377.0
62.5°	3387.7	2760.0	1944.6	1071.2	508.3	358.2	344.6	349.7	354.8	377.0	378.7
65°	3571.9	2899.8	1951.4	936.5	412.8	325.8	334.3	337.7	351.4	377.0	378.7
67°	3676.0	2995.4	1905.4	808.5	353.1	308.7	320.7	324.1	348.0	373.6	377.0
67.5°	3687.9	3015.8	1874.7	776.1	341.2	305.3	317.3	324.1	348.0	373.6	375.3
70°	3652.1	3002.2	1670.0	585.1	281.5	281.5	295.1	310.5	334.3	361.6	373.6
72.5°	3333.1	2737.8	1293.0	397.4	238.8	254.2	274.6	296.8	319.0	351.4	371.9
75°	2106.6	1762.1	791.5	266.1	199.6	226.9	259.3	284.9	303.6	327.5	341.2
77.5°	1125.8	871.7	341.2	156.9	156.9	201.3	240.5	264.4	274.6	283.2	291.7
80°	532.2	406.0	165.5	93.8	109.2	156.9	213.2	238.8	242.2	252.5	255.9
82.5°	105.8	92.1	54.6	49.5	71.6	112.6	177.4	206.4	208.1	225.2	228.6
85°	13.6	11.9	8.5	18.8	46.1	83.6	136.5	177.4	180.8	180.8	177.4
87.5°	6.8	5.1	5.1	13.6	34.1	63.1	112.6	148.4	150.1	117.7	114.3
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)