

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: P1211838

Luminaire Tested: **GKO-PB2D-827-U-T3**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211838
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-T3
Description: GEKKO WALL PACK 10000LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (20) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

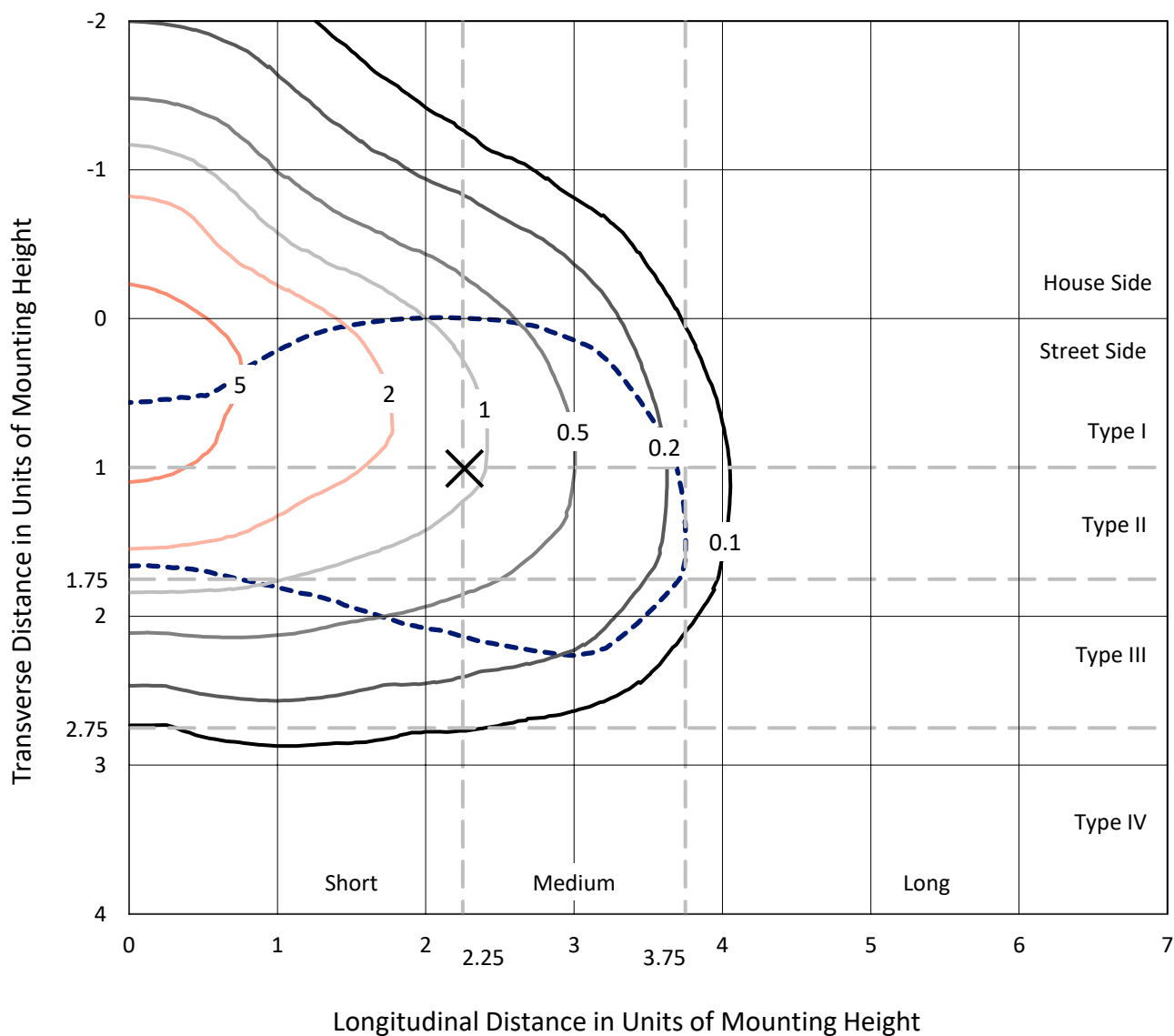
Lumens per Lamp: N/A
Luminaire Lumens: 8787.2 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 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

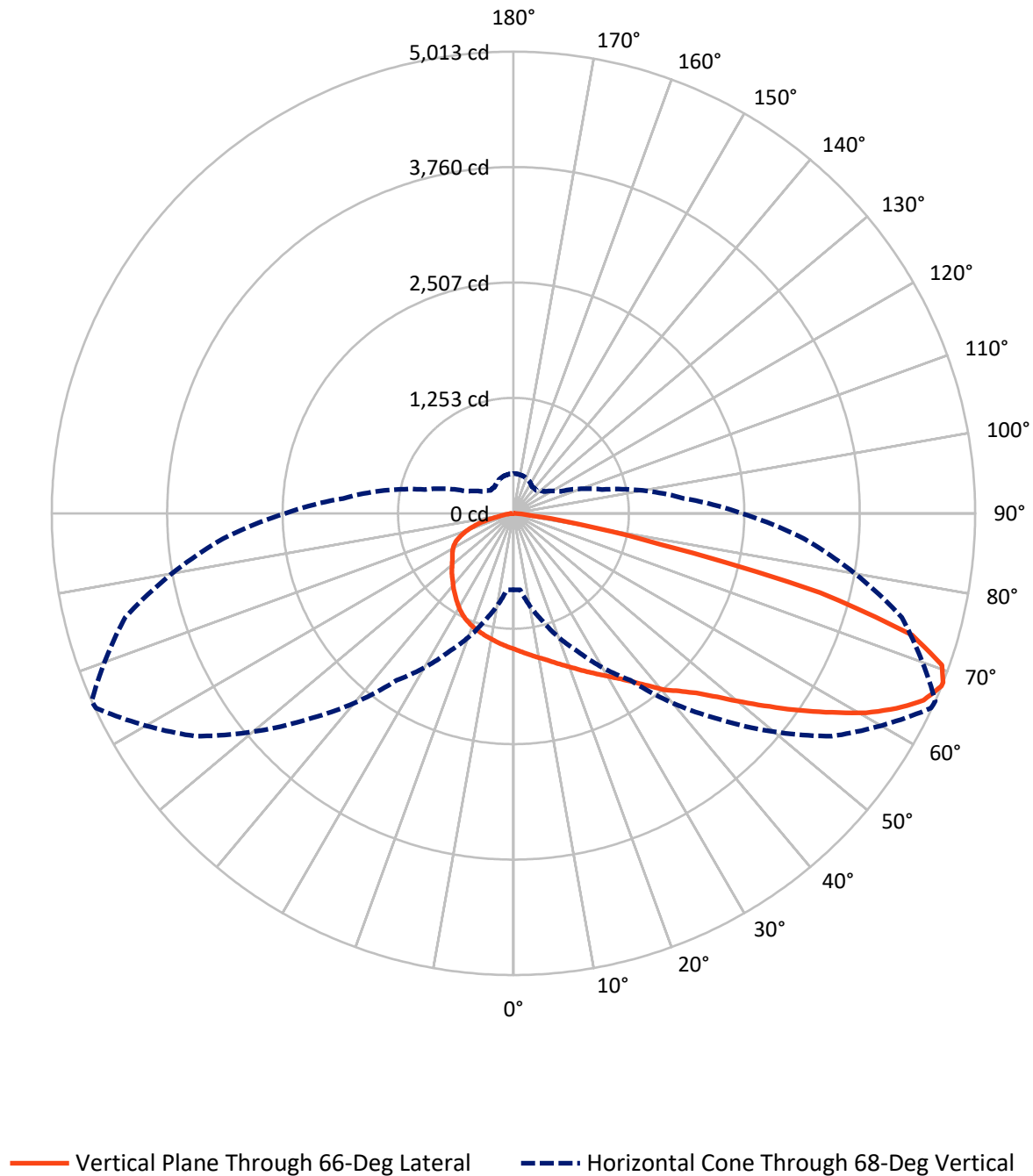
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.5 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	2249.7	0.0	2249.7
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	6537.6	0.0	6537.6
	% Fixture	74.4	0.0	74.4
Total	Lumens	8787.2	0.0	8787.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.4	1.6
10°-20°	425.0	4.8
20°-30°	732.4	8.3
30°-40°	1136.0	12.9
40°-50°	1556.3	17.7
50°-60°	1856.5	21.1
60°-70°	1860.3	21.2
70°-80°	984.4	11.2
80°-90°	95.0	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°	8787.2	100.0
0°-180°	8787.2	100.0



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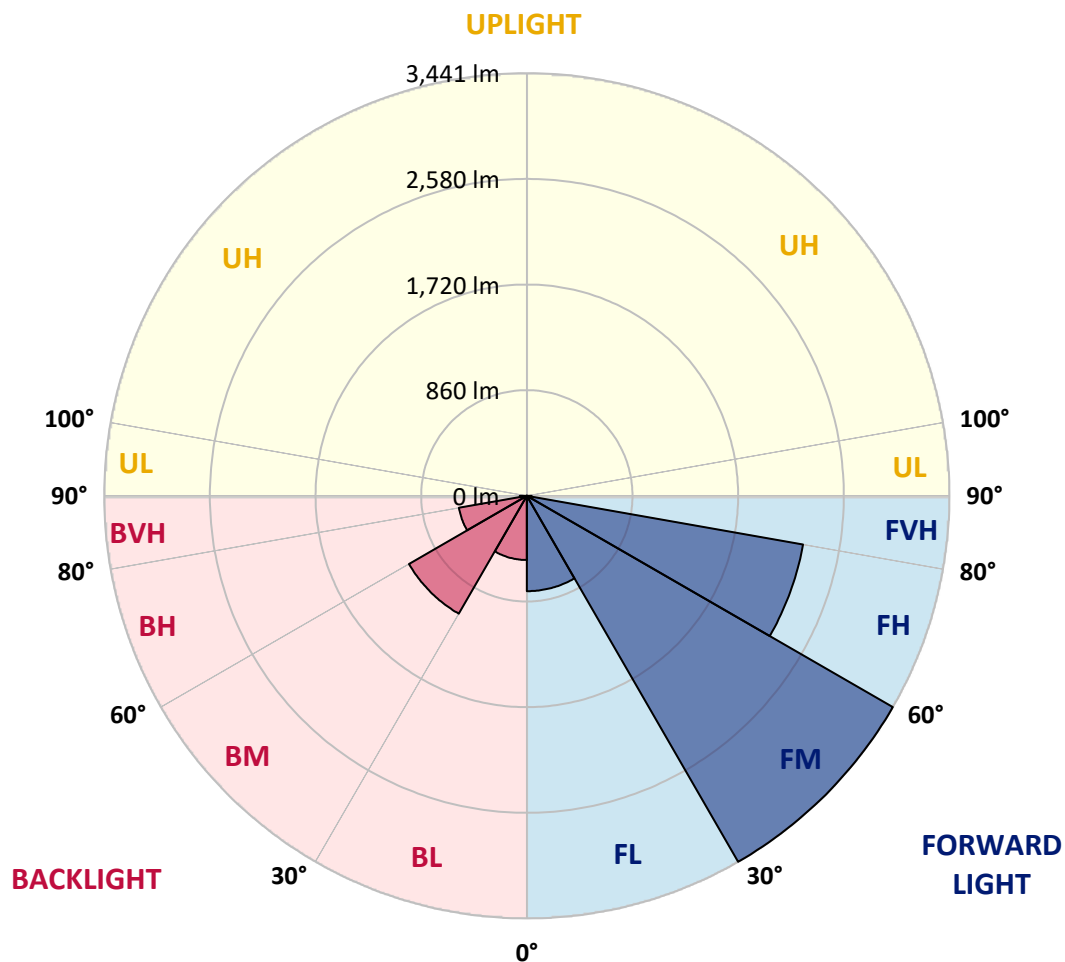
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	776.2	8.8			
FM	(30°-60°)	3440.6	39.2			
FH	(60°-80°)	2283.4	26.0			G2/5000
FVH	(80°-90°)	37.3	0.4			G1/100
BL	(0°-30°)	522.5	5.9	B2/1000		
BM	(30°-60°)	1108.2	12.6	B2/2500		
BH	(60°-80°)	561.3	6.4	B2/1000		G2/1000
BVH	(80°-90°)	57.7	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°	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8
2.5°	1535.2	1535.2	1531.8	1530.1	1528.4	1518.2	1511.3	1502.8	1502.8	1489.2	1477.2
5°	1588.1	1589.8	1583.0	1583.0	1576.2	1562.5	1548.9	1531.8	1531.8	1511.3	1487.5
7.5°	1634.2	1639.3	1632.5	1632.5	1625.6	1610.3	1588.1	1564.2	1564.2	1535.2	1501.1
10°	1678.5	1681.9	1678.5	1681.9	1671.7	1658.0	1632.5	1600.0	1598.3	1562.5	1514.8
12.5°	1714.3	1717.7	1719.5	1724.6	1716.0	1705.8	1681.9	1641.0	1635.9	1593.2	1531.8
15°	1748.4	1751.9	1757.0	1763.8	1762.1	1753.6	1731.4	1685.3	1681.9	1627.3	1554.0
17.5°	1775.7	1777.4	1787.7	1801.3	1804.7	1806.4	1782.6	1734.8	1731.4	1666.6	1577.9
20°	1815.0	1818.4	1828.6	1842.3	1852.5	1859.3	1840.6	1787.7	1784.3	1712.6	1608.6
22.5°	1903.7	1898.6	1903.7	1903.7	1908.8	1919.0	1905.4	1852.5	1845.7	1767.2	1646.1
25°	2070.8	2065.7	2052.1	2021.4	1987.3	1985.6	1970.2	1919.0	1910.5	1823.5	1681.9
27.5°	2304.5	2292.6	2267.0	2202.2	2120.3	2067.4	2043.6	1990.7	1980.4	1879.8	1716.0
30°	2551.9	2565.5	2522.9	2434.2	2284.1	2171.5	2125.4	2065.7	2057.2	1942.9	1757.0
32.5°	2840.2	2841.9	2799.2	2676.4	2481.9	2302.8	2224.4	2151.0	2144.2	2016.3	1811.6
35°	3007.3	3014.2	2995.4	2881.1	2659.3	2447.8	2343.8	2255.1	2250.0	2108.4	1879.8
37.5°	3181.3	3196.7	3167.7	3041.4	2794.1	2582.6	2476.8	2379.6	2374.5	2214.1	1965.1
40°	3438.9	3432.1	3401.4	3215.4	2920.3	2695.2	2608.2	2531.4	2519.5	2343.8	2052.1
42.5°	3624.8	3641.9	3575.4	3365.6	3058.5	2807.8	2739.5	2652.5	2637.2	2422.2	2103.3
45°	3687.9	3672.6	3599.2	3445.7	3239.3	2910.1	2864.0	2797.5	2782.2	2560.4	2203.9
47.5°	3701.6	3674.3	3609.5	3493.5	3392.8	3043.2	3015.9	3000.5	2978.3	2734.4	2325.0
50°	3618.0	3599.2	3568.5	3510.5	3491.8	3167.7	3181.3	3237.6	3218.9	2922.0	2459.8
52.5°	3428.7	3420.1	3447.4	3485.0	3435.5	3275.1	3377.5	3491.8	3485.0	3128.4	2604.8
55°	3072.2	3072.2	3225.7	3357.0	3386.0	3345.1	3589.0	3785.2	3776.6	3360.4	2742.9
57.5°	2746.3	2751.5	2879.4	3174.5	3297.3	3420.1	3824.4	4092.2	4078.6	3621.4	2887.9
60°	2335.2	2335.2	2529.7	2899.9	3169.4	3478.1	4032.5	4389.0	4397.6	3873.9	3031.2
62.5°	1849.1	1854.2	2123.7	2558.7	2985.2	3488.4	4198.0	4668.8	4667.1	4102.5	3142.1
65°	1362.9	1364.6	1731.4	2180.0	2708.8	3416.7	4288.4	4883.7	4894.0	4283.3	3206.9
67.5°	885.3	902.4	1274.2	1768.9	2318.2	3213.7	4240.6	4998.0	5009.9	4366.9	3186.4
68°	829.0	832.4	1206.0	1656.3	2212.4	3162.6	4218.5	5003.1	5013.4	4365.2	3166.0
70°	537.3	537.3	863.1	1293.0	1765.5	2843.6	4025.7	4922.9	4934.9	4290.1	3017.6
72.5°	290.0	295.1	493.0	783.0	1206.0	2200.5	3633.4	4505.0	4525.5	3879.0	2638.9
75°	203.0	206.4	286.6	438.4	656.7	1432.9	2840.2	3442.3	3438.9	2679.8	1652.9
77.5°	146.7	146.7	163.8	272.9	344.6	655.0	1405.6	1658.0	1639.3	1308.4	834.1
80°	95.5	95.5	102.3	143.3	165.5	199.6	429.9	718.1	731.8	638.0	416.2
82.5°	39.2	40.9	44.4	58.0	59.7	83.6	122.8	206.4	199.6	162.1	117.7
85°	5.1	5.1	6.8	8.5	10.2	18.8	17.1	17.1	17.1	20.5	18.8
87.5°	0.0	0.0	0.0	0.0	0.0	1.7	3.4	5.1	5.1	6.8	5.1
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°	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8
2.5°	1473.8	1473.8	1463.6	1453.3	1443.1	1434.6	1422.6	1414.1	1415.8	1420.9	1419.2
5°	1482.3	1473.8	1453.3	1431.2	1414.1	1398.8	1376.6	1364.6	1362.9	1366.3	1364.6
7.5°	1487.5	1473.8	1443.1	1409.0	1381.7	1361.2	1330.5	1318.6	1313.5	1315.2	1315.2
10°	1497.7	1475.5	1432.9	1385.1	1351.0	1322.0	1289.6	1272.5	1267.4	1267.4	1265.7
12.5°	1509.6	1478.9	1422.6	1364.6	1320.3	1286.2	1248.6	1229.9	1224.8	1224.8	1223.1
15°	1521.6	1484.0	1412.4	1342.5	1291.3	1250.4	1214.5	1192.4	1185.5	1185.5	1188.9
17.5°	1536.9	1489.2	1402.2	1322.0	1260.6	1214.5	1177.0	1154.8	1146.3	1151.4	1154.8
20°	1552.3	1499.4	1391.9	1299.8	1229.9	1182.1	1144.6	1122.4	1113.9	1122.4	1124.1
22.5°	1574.5	1507.9	1380.0	1274.2	1199.2	1146.3	1112.2	1091.7	1086.6	1095.1	1101.9
25°	1596.6	1518.2	1364.6	1246.9	1159.9	1108.8	1081.5	1066.1	1067.8	1079.8	1086.6
27.5°	1620.5	1526.7	1349.3	1212.8	1117.3	1069.5	1049.1	1045.7	1052.5	1066.1	1074.7
30°	1649.5	1538.6	1328.8	1173.6	1069.5	1026.9	1018.4	1028.6	1040.5	1054.2	1062.7
32.5°	1687.0	1554.0	1308.4	1129.2	1020.1	980.8	994.5	1016.7	1030.3	1044.0	1052.5
35°	1739.9	1584.7	1296.4	1084.9	967.2	941.6	972.3	1008.1	1018.4	1026.9	1037.1
37.5°	1801.3	1625.6	1291.3	1044.0	919.4	907.5	950.1	992.8	996.2	999.6	1009.8
40°	1861.0	1656.3	1277.6	999.6	870.0	870.0	922.8	963.8	962.1	957.0	963.8
42.5°	1884.9	1652.9	1238.4	957.0	830.7	832.4	880.2	919.4	909.2	909.2	919.4
45°	1953.1	1680.2	1209.4	922.8	794.9	788.1	825.6	856.3	873.4	895.5	905.8
47.5°	2040.1	1717.7	1187.2	883.6	760.8	738.6	759.1	810.3	839.3	863.1	871.7
50°	2130.5	1760.4	1166.8	842.7	726.7	682.3	692.6	748.8	774.4	786.4	791.5
52.5°	2222.7	1799.6	1151.4	808.6	687.4	615.8	638.0	690.9	709.6	716.4	719.8
55°	2304.5	1832.0	1137.8	779.6	643.1	562.9	580.0	634.6	648.2	655.0	660.1
57.5°	2391.5	1867.9	1129.2	752.3	593.6	516.9	528.8	578.3	597.0	603.9	609.0
60°	2468.3	1902.0	1122.4	723.3	547.6	475.9	482.7	530.5	551.0	554.4	559.5
62.5°	2519.5	1924.1	1112.2	687.4	504.9	436.7	438.4	484.4	506.6	510.0	513.4
65°	2533.1	1919.0	1081.5	639.7	462.3	397.5	397.5	441.8	465.7	477.6	482.7
67.5°	2492.2	1876.4	1016.7	578.3	421.3	361.6	361.6	400.9	426.5	440.1	445.2
68°	2478.5	1857.6	996.2	562.9	411.1	353.1	353.1	394.0	417.9	429.9	433.3
70°	2362.5	1765.5	902.4	504.9	378.7	327.5	327.5	363.3	388.9	388.9	387.2
72.5°	2052.1	1530.1	742.0	423.0	330.9	290.0	295.1	329.2	337.7	346.3	344.6
75°	1270.8	916.0	498.1	334.3	278.0	254.2	264.4	295.1	300.2	319.0	313.9
77.5°	636.3	448.6	264.4	194.5	214.9	218.3	237.1	259.3	274.6	295.1	281.5
80°	313.9	218.3	155.2	121.1	126.2	160.3	206.4	223.5	250.8	264.4	252.5
82.5°	87.0	66.5	63.1	66.5	93.8	124.5	162.1	197.9	233.7	245.6	228.6
85°	15.4	11.9	10.2	32.4	64.8	92.1	131.3	175.7	209.8	201.3	189.3
87.5°	5.1	3.4	3.4	20.5	47.8	75.1	112.6	156.9	179.1	162.1	145.0
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)