

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: P1211870

Luminaire Tested: **GKO-PB2B-840-U-T3**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211870
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2B-840-U-T3
Description: GEKKO WALL PACK 6000LM PACKAGE 80CRI 4000K FIXTURE w/ TYPE III
DISTRIBUTION OPTIC
Light Source: (20) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

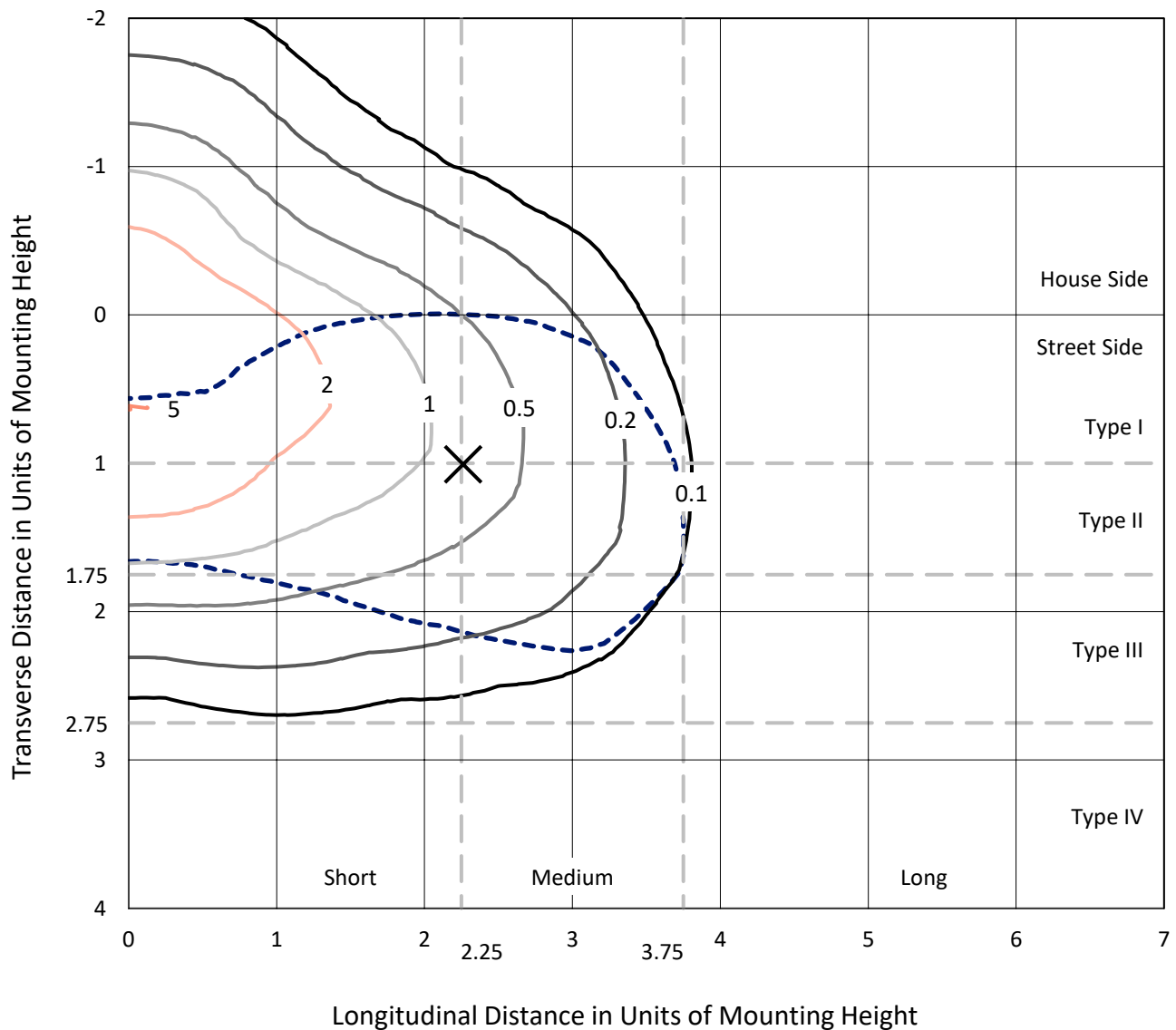
Lumens per Lamp: N/A
Luminaire Lumens: 5862.1 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 41.8
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: P1211870
 CATALOG NUMBER: GKO-PB2B-840-U-T3

Iso-Footcandle Lines of Horizontal Illumination

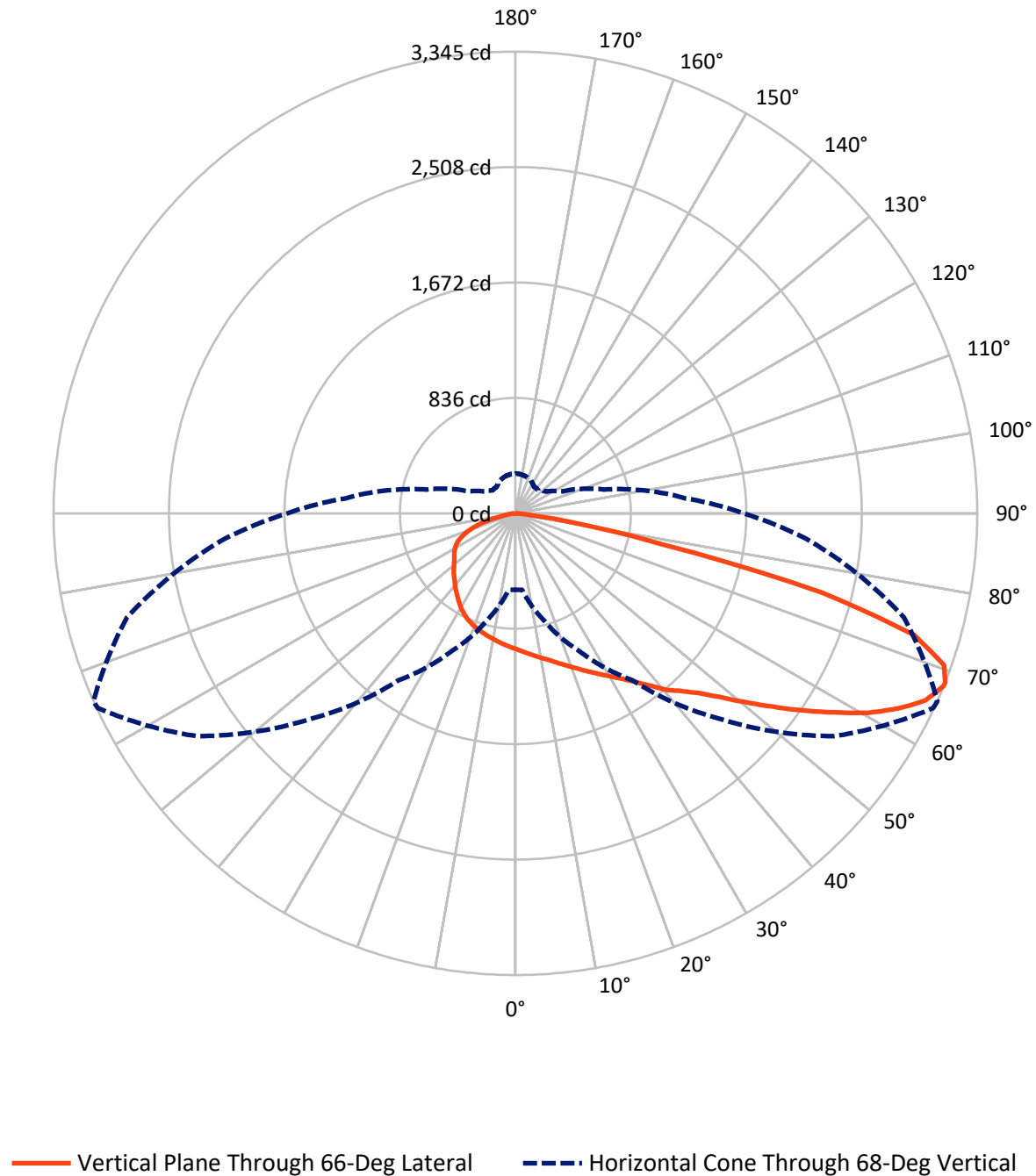
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5 fc
 Type III - Medium - N/A

REPORT NUMBER: P1211870
CATALOG NUMBER: GKO-PB2B-840-U-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P1211870

CATALOG NUMBER: GKO-PB2B-840-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1500.8	0.0	1500.8
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	4361.3	0.0	4361.3
	% Fixture	74.4	0.0	74.4
Total	Lumens	5862.1	0.0	5862.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.3	1.6
10°-20°	283.5	4.8
20°-30°	488.6	8.3
30°-40°	757.9	12.9
40°-50°	1038.2	17.7
50°-60°	1238.5	21.1
60°-70°	1241.0	21.2
70°-80°	656.7	11.2
80°-90°	63.4	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°	5862.1	100.0
0°-180°	5862.1	100.0



REPORT NUMBER: P1211870

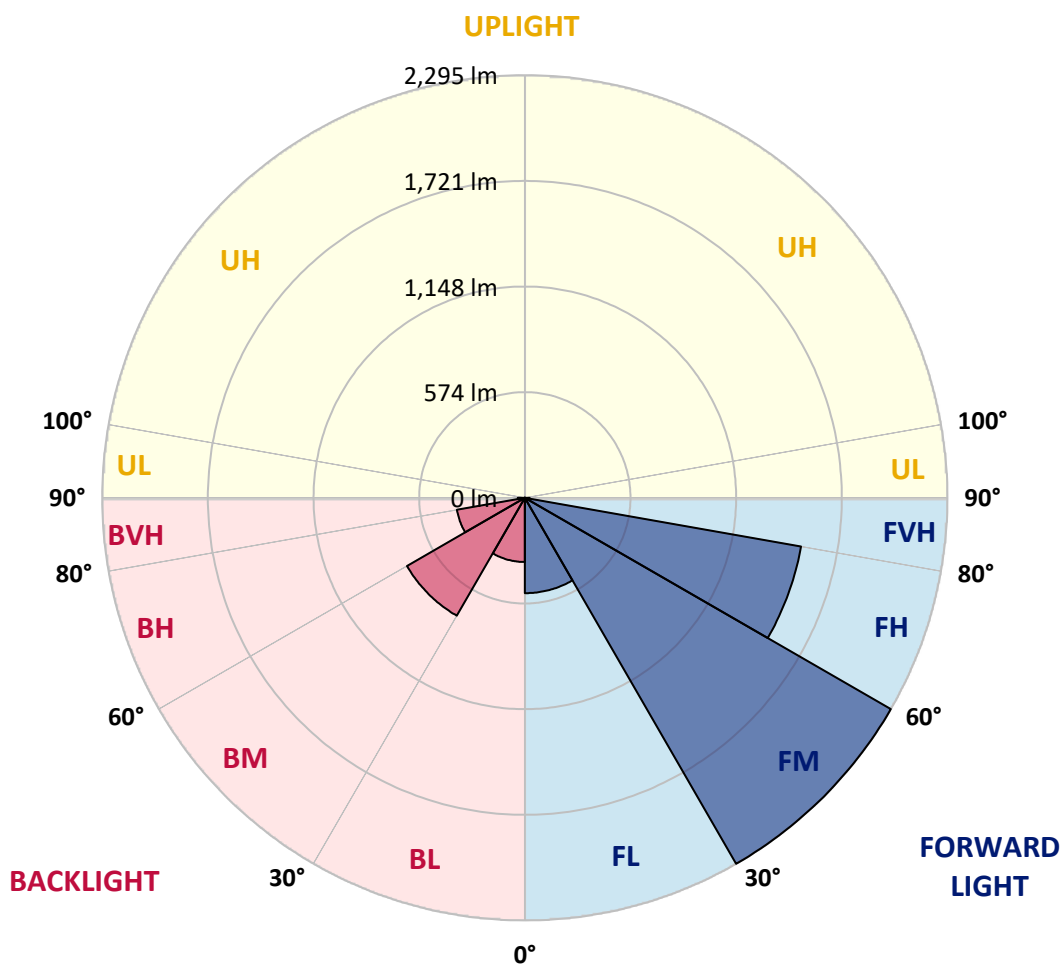
CATALOG NUMBER: GKO-PB2B-840-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	517.8	8.8			
FM	(30°-60°)	2295.3	39.2			
FH	(60°-80°)	1523.3	26.0			G1/1800
FVH	(80°-90°)	24.9	0.4			G1/100
BL	(0°-30°)	348.6	5.9	B1/500		
BM	(30°-60°)	739.3	12.6	B1/1000		
BH	(60°-80°)	374.4	6.4	B1/500		G1/500
BVH	(80°-90°)	38.5	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium



REPORT NUMBER: P1211870

CATALOG NUMBER: GKO-PB2B-840-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	983.2	983.2	983.2	983.2	983.2	983.2	983.2	983.2	983.2	983.2	983.2
2.5°	1024.2	1024.2	1021.9	1020.7	1019.6	1012.8	1008.2	1002.5	1002.5	993.4	985.5
5°	1059.4	1060.6	1056.0	1056.0	1051.5	1042.4	1033.3	1021.9	1021.9	1008.2	992.3
7.5°	1090.2	1093.6	1089.0	1089.0	1084.5	1074.2	1059.4	1043.5	1043.5	1024.2	1001.4
10°	1119.8	1122.0	1119.8	1122.0	1115.2	1106.1	1089.0	1067.4	1066.3	1042.4	1010.5
12.5°	1143.6	1145.9	1147.1	1150.5	1144.8	1138.0	1122.0	1094.7	1091.3	1062.9	1021.9
15°	1166.4	1168.7	1172.1	1176.6	1175.5	1169.8	1155.0	1124.3	1122.0	1085.6	1036.7
17.5°	1184.6	1185.8	1192.6	1201.7	1204.0	1205.1	1189.2	1157.3	1155.0	1111.8	1052.6
20°	1210.8	1213.1	1219.9	1229.0	1235.8	1240.4	1227.9	1192.6	1190.3	1142.5	1073.1
22.5°	1270.0	1266.5	1270.0	1270.0	1273.4	1280.2	1271.1	1235.8	1231.3	1178.9	1098.1
25°	1381.5	1378.1	1369.0	1348.5	1325.7	1324.6	1314.3	1280.2	1274.5	1216.5	1122.0
27.5°	1537.4	1529.4	1512.3	1469.1	1414.5	1379.2	1363.3	1328.0	1321.2	1254.0	1144.8
30°	1702.4	1711.5	1683.0	1623.9	1523.7	1448.6	1417.9	1378.1	1372.4	1296.1	1172.1
32.5°	1894.7	1895.8	1867.4	1785.5	1655.7	1536.2	1483.9	1435.0	1430.4	1345.1	1208.5
35°	2006.2	2010.8	1998.3	1922.0	1774.1	1633.0	1563.6	1504.4	1501.0	1406.5	1254.0
37.5°	2122.3	2132.5	2113.2	2029.0	1864.0	1722.9	1652.3	1587.5	1584.0	1477.1	1310.9
40°	2294.1	2289.6	2269.1	2145.0	1948.2	1798.0	1739.9	1688.7	1680.8	1563.6	1369.0
42.5°	2418.2	2429.5	2385.2	2245.2	2040.4	1873.1	1827.6	1769.5	1759.3	1615.9	1403.1
45°	2460.3	2450.0	2401.1	2298.7	2161.0	1941.4	1910.6	1866.3	1856.0	1708.1	1470.2
47.5°	2469.4	2451.2	2407.9	2330.5	2263.4	2030.1	2011.9	2001.7	1986.9	1824.1	1551.0
50°	2413.6	2401.1	2380.6	2341.9	2329.4	2113.2	2122.3	2159.8	2147.3	1949.3	1640.9
52.5°	2287.3	2281.6	2299.8	2324.8	2291.8	2184.9	2253.2	2329.4	2324.8	2087.0	1737.7
55°	2049.5	2049.5	2151.9	2239.5	2258.8	2231.5	2394.3	2525.1	2519.4	2241.8	1829.8
57.5°	1832.1	1835.5	1920.9	2117.7	2199.7	2281.6	2551.3	2730.0	2720.9	2415.9	1926.6
60°	1557.9	1557.9	1687.6	1934.5	2114.3	2320.3	2690.1	2928.0	2933.7	2584.3	2022.2
62.5°	1233.5	1237.0	1416.8	1706.9	1991.4	2327.1	2800.5	3114.6	3113.5	2736.8	2096.1
65°	909.2	910.4	1155.0	1454.3	1807.1	2279.3	2860.8	3258.0	3264.8	2857.4	2139.4
67.5°	590.6	602.0	850.1	1180.1	1546.5	2143.9	2829.0	3334.2	3342.2	2913.2	2125.7
68°	553.0	555.3	804.5	1105.0	1475.9	2109.8	2814.2	3337.6	3344.5	2912.0	2112.0
70°	358.5	358.5	575.8	862.6	1177.8	1897.0	2685.6	3284.1	3292.1	2862.0	2013.0
72.5°	193.5	196.9	328.9	522.3	804.5	1468.0	2423.8	3005.3	3019.0	2587.7	1760.4
75°	135.4	137.7	191.2	292.5	438.1	955.9	1894.7	2296.4	2294.1	1787.7	1102.7
77.5°	97.9	97.9	109.2	182.1	229.9	437.0	937.7	1106.1	1093.6	872.8	556.5
80°	63.7	63.7	68.3	95.6	110.4	133.1	286.8	479.1	488.2	425.6	277.7
82.5°	26.2	27.3	29.6	38.7	39.8	55.8	81.9	137.7	133.1	108.1	78.5
85°	3.4	3.4	4.6	5.7	6.8	12.5	11.4	11.4	11.4	13.7	12.5
87.5°	0.0	0.0	0.0	0.0	0.0	1.1	2.3	3.4	3.4	4.6	3.4
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: P1211870

CATALOG NUMBER: GKO-PB2B-840-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	983.2	983.2	983.2	983.2	983.2	983.2	983.2	983.2	983.2	983.2	983.2
2.5°	983.2	983.2	976.4	969.5	962.7	957.0	949.1	943.4	944.5	947.9	946.8
5°	988.9	983.2	969.5	954.7	943.4	933.1	918.3	910.4	909.2	911.5	910.4
7.5°	992.3	983.2	962.7	940.0	921.7	908.1	887.6	879.6	876.2	877.4	877.4
10°	999.1	984.3	955.9	924.0	901.3	881.9	860.3	848.9	845.5	845.5	844.4
12.5°	1007.1	986.6	949.1	910.4	880.8	858.0	833.0	820.5	817.1	817.1	815.9
15°	1015.1	990.0	942.2	895.6	861.4	834.1	810.2	795.4	790.9	790.9	793.2
17.5°	1025.3	993.4	935.4	881.9	841.0	810.2	785.2	770.4	764.7	768.1	770.4
20°	1035.5	1000.3	928.6	867.1	820.5	788.6	763.6	748.8	743.1	748.8	749.9
22.5°	1050.3	1006.0	920.6	850.1	800.0	764.7	741.9	728.3	724.9	730.6	735.1
25°	1065.1	1012.8	910.4	831.8	773.8	739.7	721.5	711.2	712.4	720.3	724.9
27.5°	1081.1	1018.5	900.1	809.1	745.4	713.5	699.8	697.6	702.1	711.2	716.9
30°	1100.4	1026.4	886.5	782.9	713.5	685.1	679.4	686.2	694.2	703.3	708.9
32.5°	1125.4	1036.7	872.8	753.3	680.5	654.3	663.4	678.2	687.3	696.4	702.1
35°	1160.7	1057.2	864.8	723.7	645.2	628.2	648.6	672.5	679.4	685.1	691.9
37.5°	1201.7	1084.5	861.4	696.4	613.4	605.4	633.8	662.3	664.6	666.8	673.7
40°	1241.5	1105.0	852.3	666.8	580.4	580.4	615.6	642.9	641.8	638.4	642.9
42.5°	1257.4	1102.7	826.2	638.4	554.2	555.3	587.2	613.4	606.5	606.5	613.4
45°	1303.0	1120.9	806.8	615.6	530.3	525.7	550.8	571.3	582.6	597.4	604.3
47.5°	1361.0	1145.9	792.0	589.5	507.5	492.7	506.4	540.5	559.9	575.8	581.5
50°	1421.3	1174.4	778.4	562.2	484.8	455.2	462.0	499.6	516.6	524.6	528.0
52.5°	1482.8	1200.5	768.1	539.4	458.6	410.8	425.6	460.9	473.4	477.9	480.2
55°	1537.4	1222.2	759.0	520.0	429.0	375.5	386.9	423.3	432.4	437.0	440.4
57.5°	1595.4	1246.1	753.3	501.8	396.0	344.8	352.8	385.8	398.3	402.8	406.3
60°	1646.6	1268.8	748.8	482.5	365.3	317.5	322.0	353.9	367.6	369.8	373.3
62.5°	1680.8	1283.6	741.9	458.6	336.8	291.3	292.5	323.2	338.0	340.2	342.5
65°	1689.9	1280.2	721.5	426.7	308.4	265.1	265.1	294.7	310.7	318.6	322.0
67.5°	1662.6	1251.8	678.2	385.8	281.1	241.2	241.2	267.4	284.5	293.6	297.0
68°	1653.5	1239.2	664.6	375.5	274.2	235.6	235.6	262.9	278.8	286.8	289.0
70°	1576.1	1177.8	602.0	336.8	252.6	218.5	218.5	242.4	259.5	259.5	258.3
72.5°	1369.0	1020.7	495.0	282.2	220.8	193.5	196.9	219.6	225.3	231.0	229.9
75°	847.8	611.1	332.3	223.0	185.5	169.6	176.4	196.9	200.3	212.8	209.4
77.5°	424.5	299.3	176.4	129.7	143.4	145.7	158.2	173.0	183.2	196.9	187.8
80°	209.4	145.7	103.6	80.8	84.2	107.0	137.7	149.1	167.3	176.4	168.4
82.5°	58.0	44.4	42.1	44.4	62.6	83.1	108.1	132.0	155.9	163.9	152.5
85°	10.2	8.0	6.8	21.6	43.2	61.4	87.6	117.2	140.0	134.3	126.3
87.5°	3.4	2.3	2.3	13.7	31.9	50.1	75.1	104.7	119.5	108.1	96.7
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)