

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: P1211930

Luminaire Tested: **GKO-PB2B-840-U-T2R**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211930
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-T2R
Description: GEKKO WALL PACK 6000LM PACKAGE 80CRI 4000K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (20) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

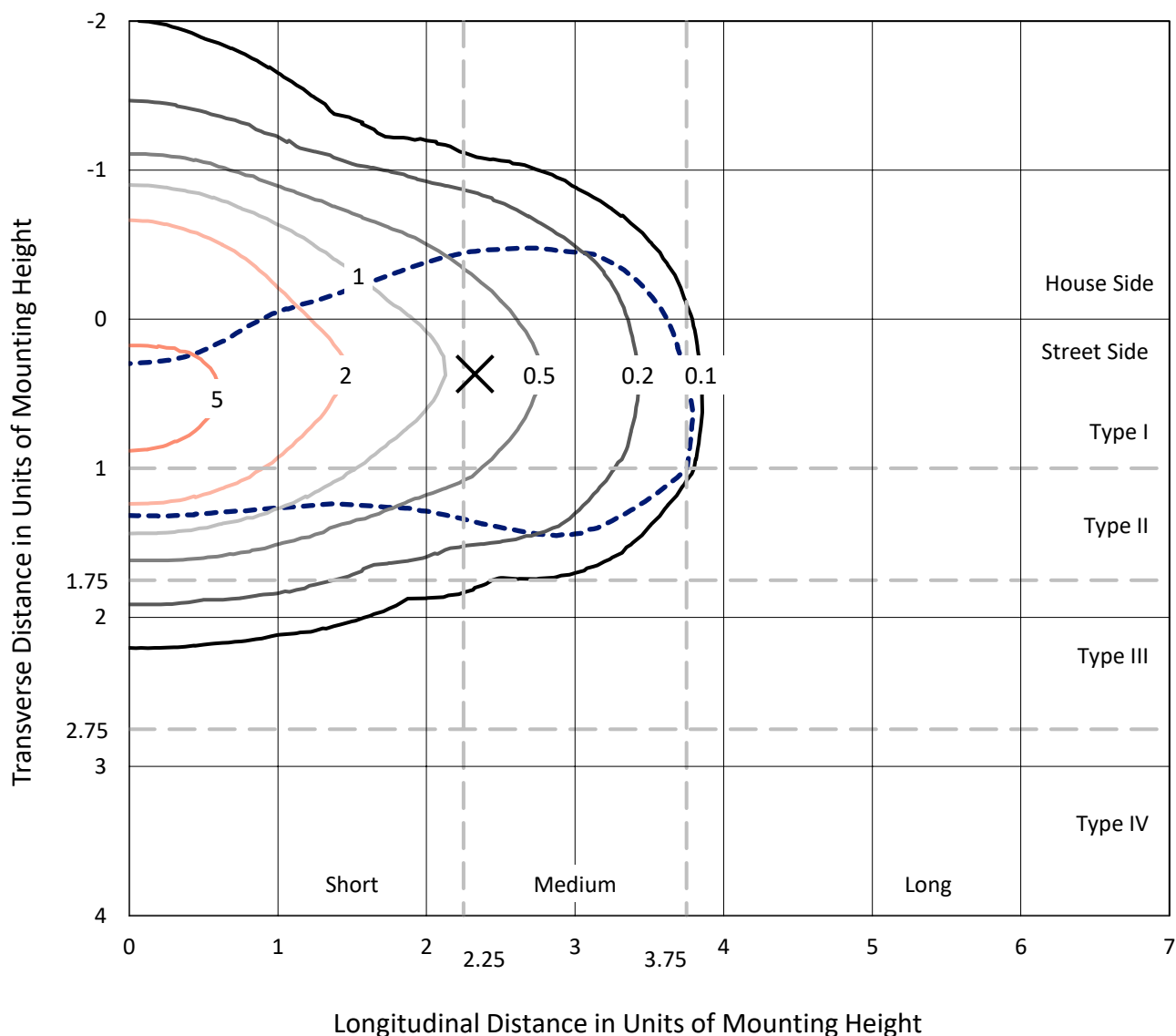
Lumens per Lamp: N/A
Luminaire Lumens: 5947.1 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

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

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Iso-Footcandle Lines of Horizontal Illumination

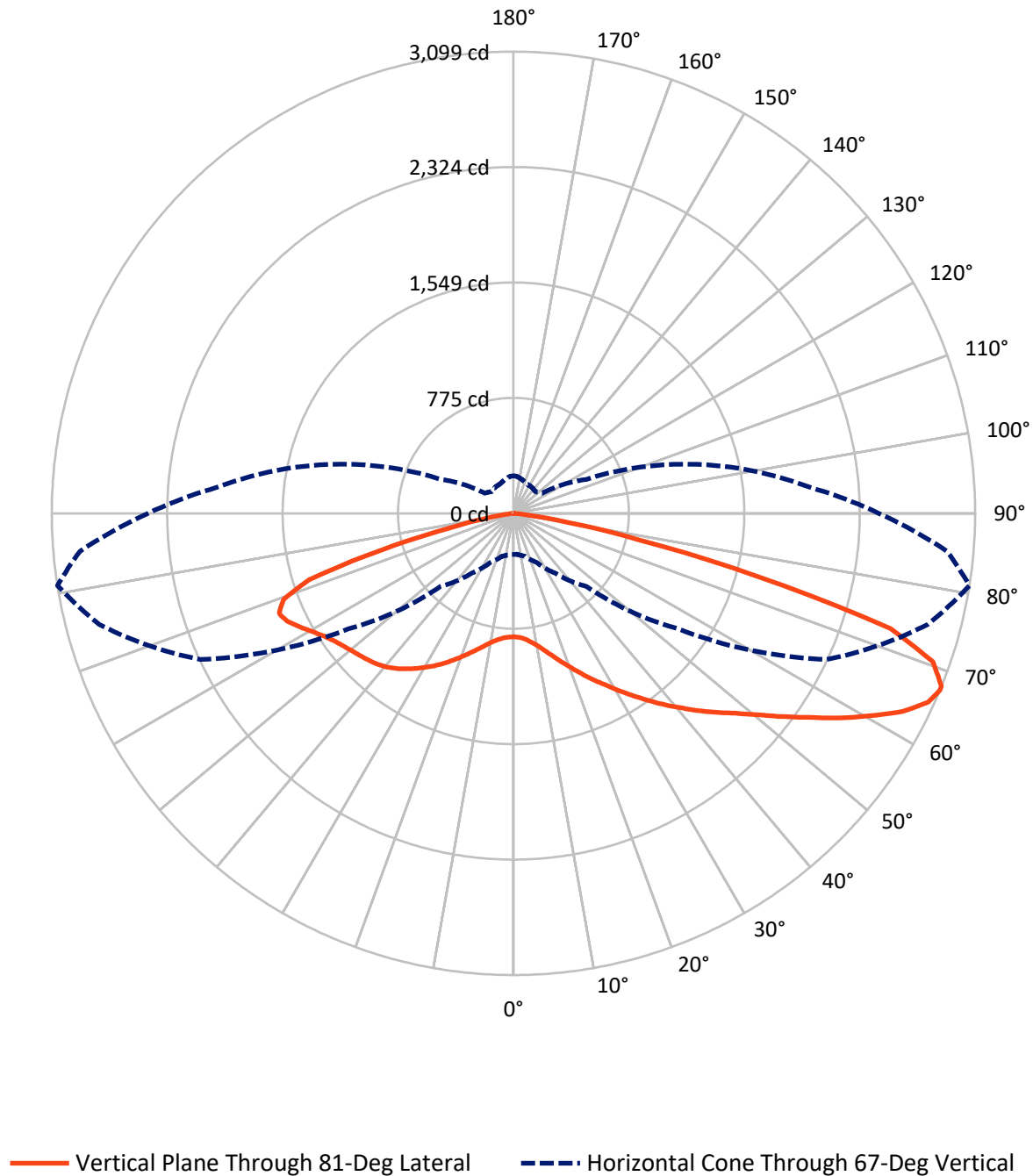
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1836.4	0.0	1836.4
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	4110.7	0.0	4110.7
	% Fixture	69.1	0.0	69.1
Total	Lumens	5947.1	0.0	5947.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.8	1.4
10°-20°	310.6	5.2
20°-30°	629.2	10.6
30°-40°	992.2	16.7
40°-50°	1218.5	20.5
50°-60°	1164.1	19.6
60°-70°	976.2	16.4
70°-80°	517.1	8.7
80°-90°	53.4	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°	5947.1	100.0
0°-180°	5947.1	100.0



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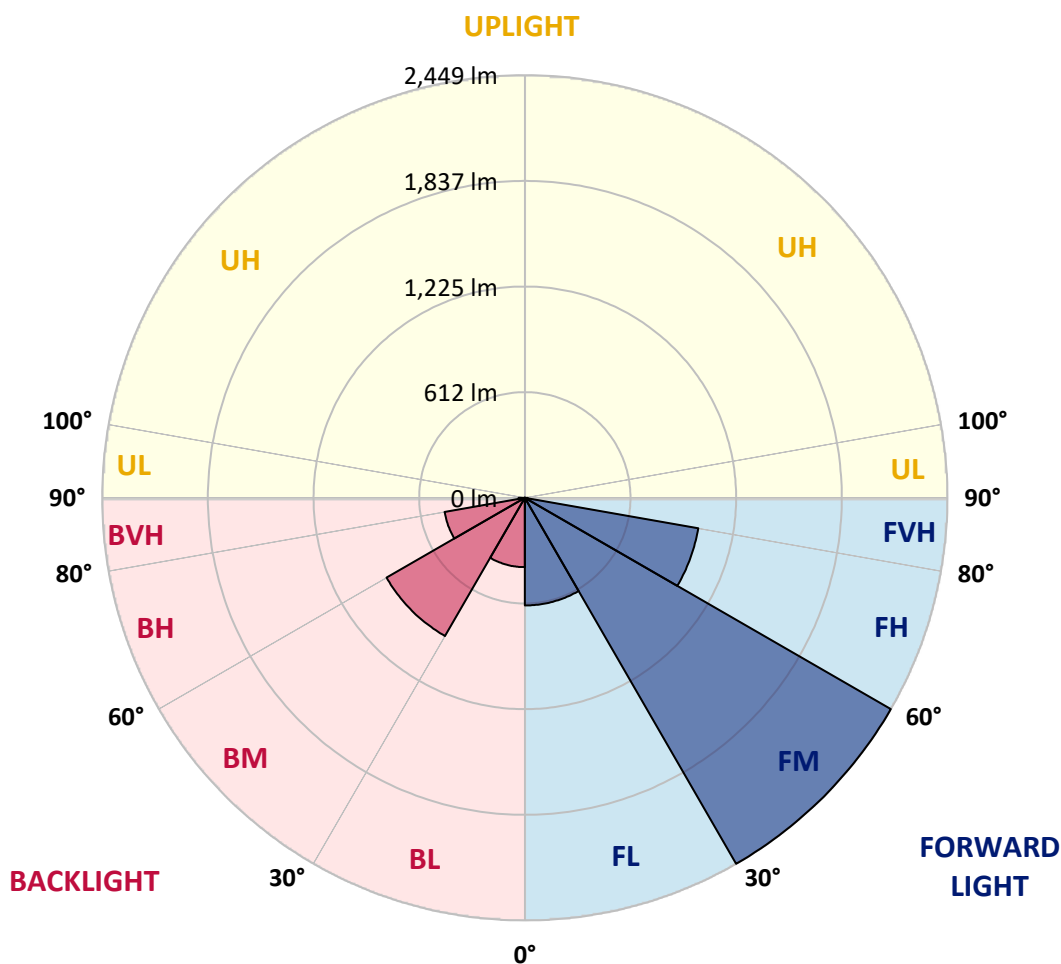
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	623.8	10.5			
FM	(30°-60°)	2449.4	41.2			
FH	(60°-80°)	1020.9	17.2			G1/1800
FVH	(80°-90°)	16.6	0.3			G1/100
BL	(0°-30°)	401.9	6.8	B1/500		
BM	(30°-60°)	925.3	15.6	B1/1000		
BH	(60°-80°)	472.4	7.9	B1/500		G1/500
BVH	(80°-90°)	36.8	0.6			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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	828.4	828.4	828.4	828.4	828.4	828.4	828.4	828.4	828.4	828.4	828.4
2.5°	876.2	878.5	873.9	872.8	868.3	861.4	853.5	847.8	838.7	834.1	831.8
5°	959.3	954.7	951.3	945.6	929.7	916.0	893.3	877.4	860.3	848.9	845.5
7.5°	1060.6	1062.8	1051.5	1036.7	1013.9	986.6	950.2	920.6	888.7	873.9	867.1
10°	1170.9	1180.0	1168.7	1150.5	1107.2	1066.3	1021.9	970.7	927.4	904.7	895.6
12.5°	1305.2	1310.9	1296.1	1272.2	1219.9	1158.4	1095.8	1032.1	975.2	946.8	930.8
15°	1455.4	1450.9	1436.1	1400.8	1333.7	1265.4	1180.0	1097.0	1029.8	994.6	971.8
17.5°	1610.2	1604.5	1585.2	1539.6	1463.4	1378.1	1276.8	1172.1	1087.9	1049.2	1018.5
20°	1758.1	1752.4	1738.8	1687.6	1595.4	1490.7	1372.4	1258.6	1153.9	1106.1	1071.9
22.5°	1922.0	1917.4	1895.8	1833.2	1734.2	1619.3	1481.6	1346.2	1225.6	1168.7	1127.7
25°	2099.5	2100.6	2076.7	1989.1	1877.6	1743.3	1598.8	1445.2	1306.4	1234.7	1188.0
27.5°	2306.6	2305.5	2264.5	2170.1	2030.1	1875.3	1714.9	1548.7	1386.0	1301.8	1248.3
30°	2494.4	2489.8	2444.3	2349.9	2188.3	2014.2	1837.8	1648.9	1475.9	1375.8	1310.9
32.5°	2633.2	2634.3	2596.8	2493.2	2335.1	2149.6	1952.7	1761.5	1562.4	1455.4	1383.7
35°	2733.3	2734.5	2698.1	2609.3	2461.4	2275.9	2074.5	1867.4	1659.1	1537.4	1460.0
37.5°	2765.2	2765.2	2741.3	2671.9	2551.3	2389.7	2194.0	1988.0	1755.8	1626.1	1537.4
40°	2722.0	2725.4	2724.2	2678.7	2595.7	2468.2	2304.3	2104.1	1864.0	1713.7	1615.9
42.5°	2624.1	2626.4	2629.8	2612.7	2586.5	2510.3	2393.1	2222.4	1972.1	1809.3	1693.3
45°	2462.5	2471.6	2488.7	2495.5	2505.8	2500.1	2447.7	2332.8	2092.7	1904.9	1769.5
47.5°	2257.7	2272.5	2295.2	2336.2	2393.1	2438.6	2461.4	2418.1	2209.9	2003.9	1854.8
50°	1973.2	1989.1	2050.6	2135.9	2248.6	2337.3	2423.8	2481.9	2340.8	2124.5	1950.4
52.5°	1579.5	1613.6	1717.2	1881.0	2074.5	2206.5	2344.2	2512.6	2473.9	2266.8	2064.2
55°	1201.7	1214.2	1347.3	1544.2	1842.3	2065.4	2234.9	2496.7	2599.1	2415.9	2194.0
57.5°	839.8	853.5	969.5	1184.6	1514.6	1881.0	2125.7	2443.2	2712.9	2591.1	2343.0
60°	596.3	611.1	697.6	856.9	1176.6	1612.5	2024.4	2374.9	2811.9	2757.2	2514.9
62.5°	433.6	441.5	487.0	621.3	850.0	1260.8	1879.9	2330.5	2881.3	2930.2	2691.2
65°	332.3	340.2	366.4	450.6	628.1	921.7	1620.4	2329.4	2899.5	3057.7	2843.7
67°	276.5	275.4	298.1	361.9	490.5	693.0	1353.0	2320.3	2879.0	3098.6	2921.1
67.5°	261.7	266.3	284.5	338.0	463.1	638.4	1295.0	2305.5	2872.2	3097.5	2926.8
70°	208.2	209.4	225.3	267.4	348.2	463.1	932.0	2159.8	2768.6	2986.0	2863.1
72.5°	152.5	151.3	175.2	202.6	266.3	336.8	624.7	1813.9	2544.4	2645.7	2545.6
75°	112.7	111.5	124.0	154.8	190.0	251.5	405.1	1183.5	1722.8	1683.0	1554.4
77.5°	75.1	77.4	88.8	113.8	135.4	155.9	202.6	545.1	949.0	858.0	826.1
80°	45.5	42.1	50.1	64.9	78.5	79.7	86.5	235.6	407.4	388.0	364.1
82.5°	15.9	15.9	19.3	26.2	26.2	26.2	31.9	56.9	80.8	74.0	70.6
85°	0.0	0.0	0.0	0.0	2.3	3.4	2.3	4.6	8.0	9.1	9.1
87.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.3	3.4	4.6	4.6
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°	828.4	828.4	828.4	828.4	828.4	828.4	828.4	828.4	828.4	828.4	828.4
2.5°	831.8	831.8	828.4	823.9	821.6	820.5	817.0	812.5	815.9	819.3	819.3
5°	843.2	840.9	834.1	829.6	826.1	826.1	821.6	820.5	823.9	827.3	826.1
7.5°	861.4	856.9	848.9	842.1	843.2	844.4	837.5	837.5	840.9	844.4	844.4
10°	886.5	878.5	870.5	864.8	866.0	867.1	860.3	858.0	861.4	864.8	867.1
12.5°	918.3	908.1	899.0	893.3	892.1	893.3	886.5	884.2	884.2	886.5	886.5
15°	955.9	944.5	933.1	925.1	922.9	921.7	912.6	904.7	904.7	905.8	905.8
17.5°	999.1	983.2	968.4	959.3	953.6	945.6	935.4	924.0	920.6	921.7	921.7
20°	1042.4	1025.3	1005.9	993.4	982.0	968.4	952.5	937.7	930.8	930.8	929.7
22.5°	1092.4	1069.7	1043.5	1026.4	1005.9	983.2	960.4	941.1	934.3	932.0	932.0
25°	1143.6	1117.5	1079.9	1053.7	1024.2	991.1	961.6	935.4	924.0	919.5	919.5
27.5°	1196.0	1165.3	1116.3	1078.8	1035.5	990.0	950.2	917.2	901.3	895.6	893.3
30°	1255.2	1210.8	1148.2	1097.0	1037.8	979.8	928.6	889.9	866.0	852.3	853.5
32.5°	1316.6	1260.8	1177.8	1108.4	1034.4	960.4	895.6	846.6	815.9	803.4	798.8
35°	1379.2	1308.6	1203.9	1114.0	1023.0	930.8	853.5	798.8	764.7	746.5	746.5
37.5°	1442.9	1358.7	1222.2	1112.9	1002.5	892.1	804.5	746.5	706.7	683.9	678.2
40°	1505.5	1405.4	1235.8	1103.8	971.8	845.5	752.2	689.6	636.1	606.5	602.0
42.5°	1566.9	1444.1	1242.6	1089.0	935.4	794.3	693.0	608.8	557.6	530.3	529.1
45°	1622.7	1474.8	1243.8	1069.7	887.6	736.3	613.4	532.6	481.4	452.9	452.9
47.5°	1677.3	1508.9	1242.6	1044.6	835.3	661.1	529.1	450.6	404.0	385.8	380.1
50°	1743.3	1543.1	1241.5	1013.9	768.1	571.2	447.2	380.1	340.2	322.0	322.0
52.5°	1810.5	1582.9	1243.8	970.7	688.5	483.6	374.4	315.2	289.0	277.7	276.5
55°	1897.0	1625.0	1249.5	919.5	605.4	398.3	311.8	272.0	253.8	248.1	249.2
57.5°	2001.6	1683.0	1260.8	859.1	508.7	326.6	267.4	245.8	241.2	243.5	244.7
60°	2121.1	1754.7	1276.8	790.9	423.3	272.0	241.2	236.7	241.2	250.3	251.5
62.5°	2260.0	1841.2	1297.3	714.6	339.1	239.0	229.9	233.3	236.7	251.5	252.6
65°	2382.9	1934.5	1301.8	624.7	275.4	217.3	223.0	225.3	234.4	251.5	252.6
67°	2452.3	1998.2	1271.1	539.4	235.6	206.0	213.9	216.2	232.1	249.2	251.5
67.5°	2460.2	2011.9	1250.6	517.8	227.6	203.7	211.7	216.2	232.1	249.2	250.3
70°	2436.3	2002.8	1114.0	390.3	187.8	187.8	196.9	207.1	223.0	241.2	249.2
72.5°	2223.5	1826.4	862.6	265.1	159.3	169.6	183.2	198.0	212.8	234.4	248.1
75°	1405.4	1175.5	528.0	177.5	133.1	151.3	173.0	190.0	202.6	218.5	227.6
77.5°	751.0	581.5	227.6	104.7	104.7	134.3	160.5	176.4	183.2	188.9	194.6
80°	355.0	270.8	110.4	62.6	72.8	104.7	142.2	159.3	161.6	168.4	170.7
82.5°	70.6	61.4	36.4	33.0	47.8	75.1	118.3	137.7	138.8	150.2	152.5
85°	9.1	8.0	5.7	12.5	30.7	55.8	91.0	118.3	120.6	120.6	118.3
87.5°	4.6	3.4	3.4	9.1	22.8	42.1	75.1	99.0	100.1	78.5	76.2
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)