

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: P1211900

Luminaire Tested: **GKO-PB2B-827-U-T2R**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211900
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2B-827-U-T2R
Description: GEKKO WALL PACK 6000LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (20) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

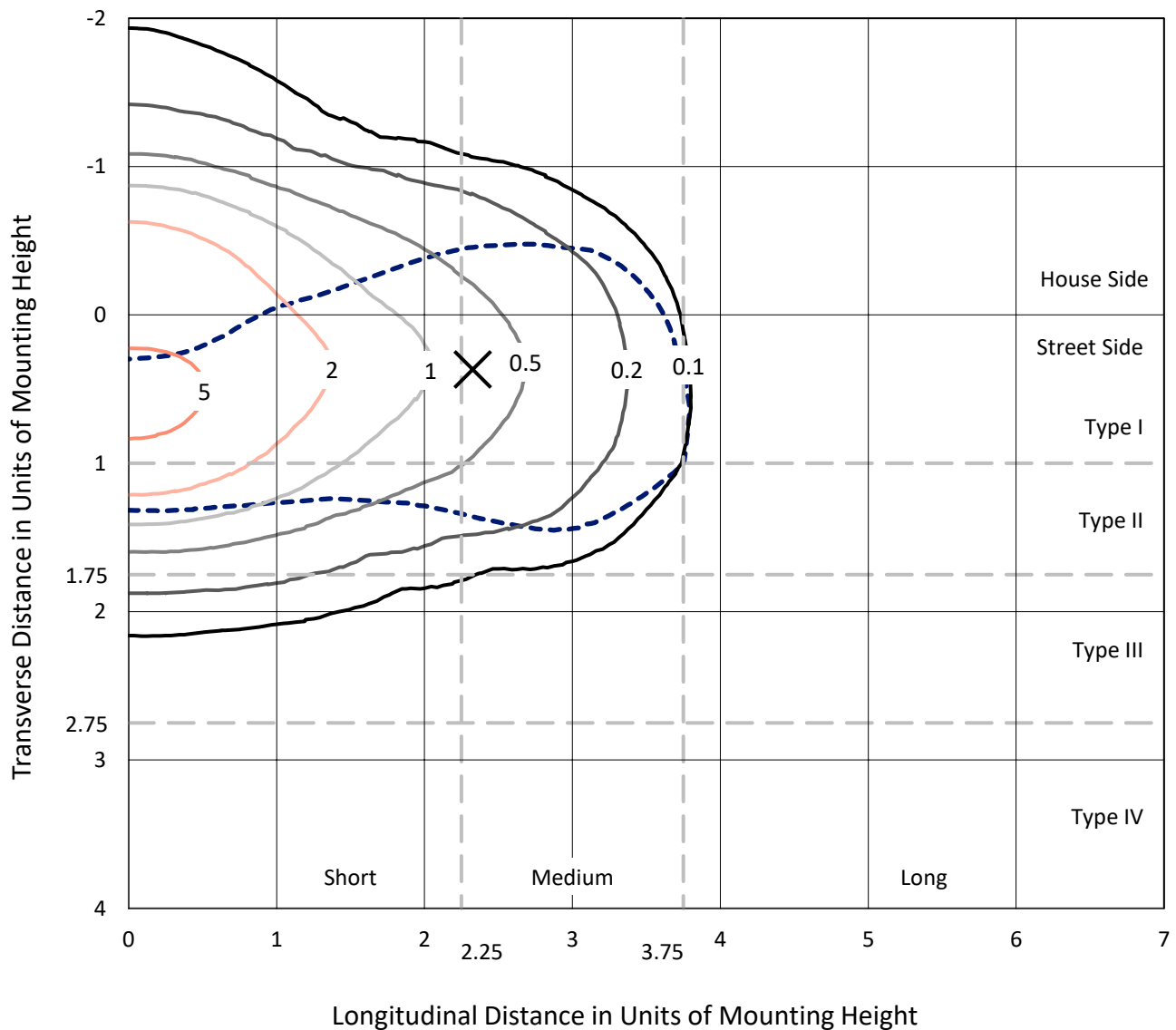
Lumens per Lamp: N/A
Luminaire Lumens: 5458 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

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

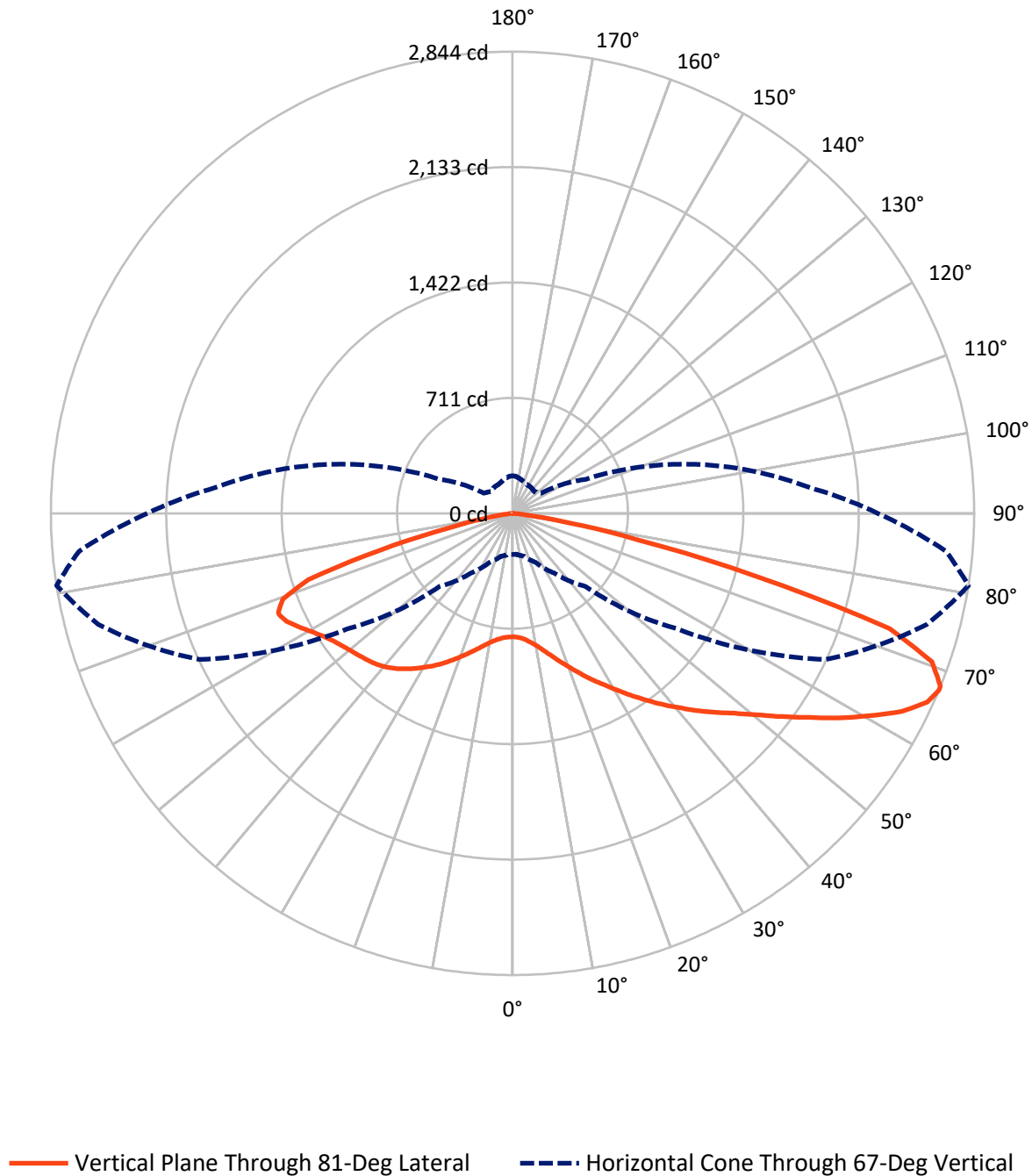
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.5 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	1685.4	0.0	1685.4
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	3772.6	0.0	3772.6
	% Fixture	69.1	0.0	69.1
Total	Lumens	5458.0	0.0	5458.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	1.4
10°-20°	285.1	5.2
20°-30°	577.5	10.6
30°-40°	910.6	16.7
40°-50°	1118.3	20.5
50°-60°	1068.3	19.6
60°-70°	895.9	16.4
70°-80°	474.6	8.7
80°-90°	49.0	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°	5458.0	100.0
0°-180°	5458.0	100.0

Coefficient of Utilization



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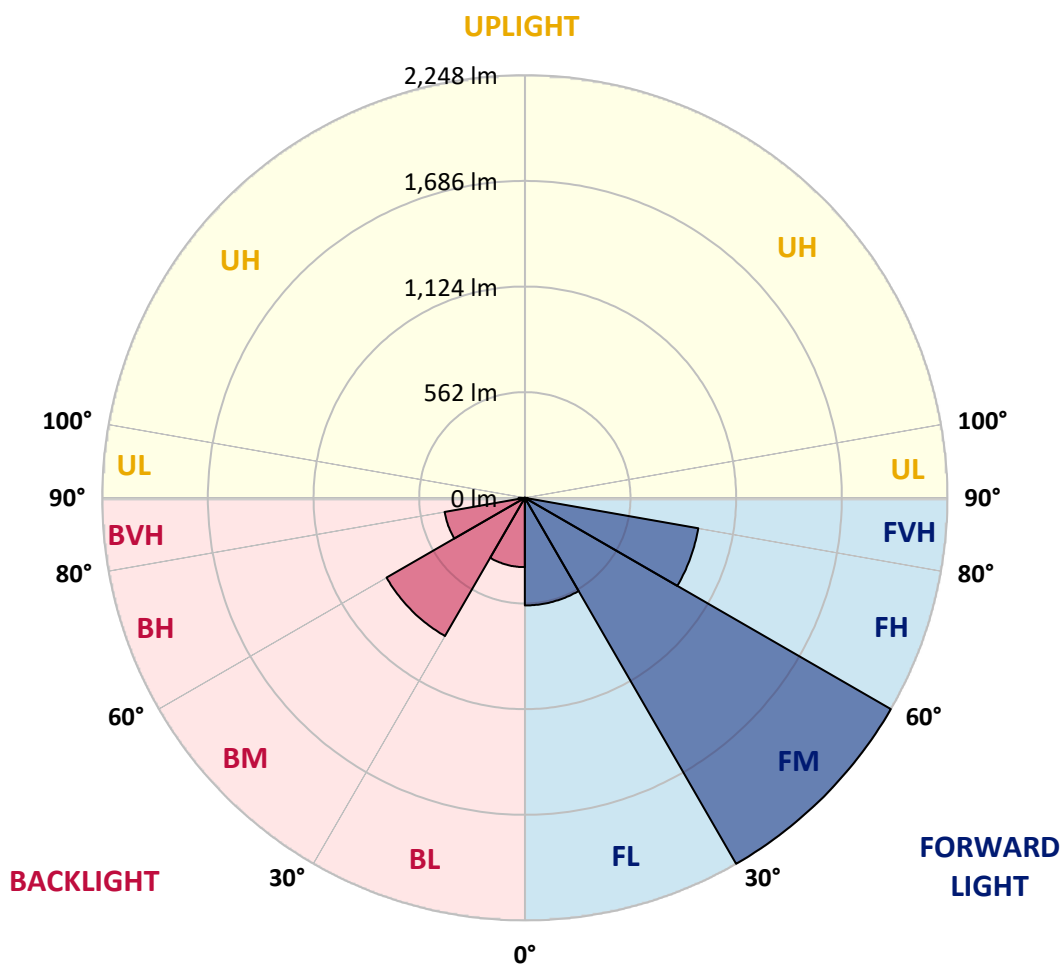
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	572.5	10.5			
FM	(30°-60°)	2247.9	41.2			
FH	(60°-80°)	936.9	17.2			G1/1800
FVH	(80°-90°)	15.2	0.3			G1/100
BL	(0°-30°)	368.8	6.8	B1/500		
BM	(30°-60°)	849.2	15.6	B1/1000		
BH	(60°-80°)	433.6	7.9	B1/500		G1/500
BVH	(80°-90°)	33.8	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°	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3
2.5°	804.1	806.2	802.1	801.0	796.8	790.6	783.3	778.0	769.7	765.5	763.4
5°	880.4	876.2	873.1	867.9	853.2	840.7	819.8	805.2	789.5	779.1	776.0
7.5°	973.3	975.4	965.0	951.4	930.5	905.4	872.0	844.9	815.6	802.1	795.8
10°	1074.6	1083.0	1072.5	1055.8	1016.2	978.6	937.8	890.8	851.1	830.3	821.9
12.5°	1197.9	1203.1	1189.5	1167.6	1119.5	1063.1	1005.7	947.2	895.0	868.9	854.3
15°	1335.7	1331.5	1318.0	1285.6	1224.0	1161.3	1083.0	1006.8	945.1	912.8	891.9
17.5°	1477.8	1472.5	1454.8	1413.0	1343.0	1264.7	1171.8	1075.7	998.4	962.9	934.7
20°	1613.5	1608.3	1595.8	1548.8	1464.2	1368.1	1259.5	1155.0	1059.0	1015.1	983.8
22.5°	1763.9	1759.7	1739.9	1682.4	1591.6	1486.1	1359.7	1235.5	1124.8	1072.5	1034.9
25°	1926.8	1927.9	1905.9	1825.5	1723.2	1599.9	1467.3	1326.3	1198.9	1133.1	1090.3
27.5°	2116.9	2115.8	2078.3	1991.6	1863.1	1721.1	1573.8	1421.4	1272.0	1194.7	1145.6
30°	2289.2	2285.0	2243.3	2156.6	2008.3	1848.5	1686.6	1513.3	1354.5	1262.6	1203.1
32.5°	2416.6	2417.7	2383.2	2288.2	2143.0	1972.8	1792.1	1616.6	1433.9	1335.7	1269.9
35°	2508.5	2509.6	2476.1	2394.7	2258.9	2088.7	1903.8	1713.8	1522.7	1410.9	1339.9
37.5°	2537.8	2537.8	2515.8	2452.1	2341.4	2193.1	2013.5	1824.5	1611.4	1492.4	1410.9
40°	2498.1	2501.2	2500.2	2458.4	2382.2	2265.2	2114.8	1931.0	1710.6	1572.8	1483.0
42.5°	2408.3	2410.4	2413.5	2397.8	2373.8	2303.8	2196.3	2039.6	1809.9	1660.5	1554.0
45°	2260.0	2268.3	2284.0	2290.3	2299.7	2294.4	2246.4	2140.9	1920.6	1748.2	1624.0
47.5°	2072.0	2085.6	2106.4	2144.0	2196.3	2238.0	2258.9	2219.2	2028.1	1839.1	1702.3
50°	1810.9	1825.5	1881.9	1960.2	2063.6	2145.1	2224.5	2277.7	2148.2	1949.8	1790.0
52.5°	1449.6	1480.9	1575.9	1726.3	1903.8	2025.0	2151.4	2305.9	2270.4	2080.3	1894.4
55°	1102.8	1114.3	1236.5	1417.2	1690.8	1895.5	2051.1	2291.3	2385.3	2217.1	2013.5
57.5°	770.7	783.3	889.8	1087.2	1390.0	1726.3	1950.8	2242.2	2489.7	2378.0	2150.3
60°	547.2	560.8	640.2	786.4	1079.9	1479.8	1857.9	2179.6	2580.6	2530.5	2308.0
62.5°	397.9	405.2	447.0	570.2	780.1	1157.1	1725.3	2138.8	2644.3	2689.2	2469.9
65°	304.9	312.3	336.3	413.6	576.5	845.9	1487.2	2137.8	2661.0	2806.2	2609.8
67°	253.8	252.7	273.6	332.1	450.1	636.0	1241.7	2129.4	2642.2	2843.8	2680.8
67.5°	240.2	244.4	261.1	310.2	425.0	585.9	1188.5	2115.8	2635.9	2842.7	2686.1
70°	191.1	192.2	206.8	245.4	319.6	425.0	855.3	1982.2	2540.9	2740.4	2627.6
72.5°	139.9	138.9	160.8	185.9	244.4	309.1	573.3	1664.7	2335.2	2428.1	2336.2
75°	103.4	102.3	113.8	142.0	174.4	230.8	371.8	1086.1	1581.1	1544.6	1426.6
77.5°	68.9	71.0	81.5	104.4	124.3	143.1	185.9	500.2	871.0	787.4	758.2
80°	41.8	38.6	46.0	59.5	72.1	73.1	79.4	216.2	373.9	356.1	334.2
82.5°	14.6	14.6	17.8	24.0	24.0	24.0	29.2	52.2	74.1	67.9	64.7
85°	0.0	0.0	0.0	0.0	2.1	3.1	2.1	4.2	7.3	8.4	8.4
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.1	3.1	4.2	4.2
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°	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3
2.5°	763.4	763.4	760.3	756.1	754.0	753.0	749.8	745.7	748.8	751.9	751.9
5°	773.9	771.8	765.5	761.3	758.2	758.2	754.0	753.0	756.1	759.2	758.2
7.5°	790.6	786.4	779.1	772.8	773.9	774.9	768.6	768.6	771.8	774.9	774.9
10°	813.5	806.2	798.9	793.7	794.7	795.8	789.5	787.4	790.6	793.7	795.8
12.5°	842.8	833.4	825.0	819.8	818.8	819.8	813.5	811.5	811.5	813.5	813.5
15°	877.3	866.8	856.4	849.1	847.0	845.9	837.6	830.3	830.3	831.3	831.3
17.5°	916.9	902.3	888.7	880.4	875.2	867.9	858.5	848.0	844.9	845.9	845.9
20°	956.6	941.0	923.2	911.7	901.3	888.7	874.1	860.5	854.3	854.3	853.2
22.5°	1002.6	981.7	957.7	942.0	923.2	902.3	881.4	863.7	857.4	855.3	855.3
25°	1049.6	1025.5	991.1	967.1	939.9	909.6	882.5	858.5	848.0	843.8	843.8
27.5°	1097.6	1069.4	1024.5	990.0	950.4	908.6	872.0	841.7	827.1	821.9	819.8
30°	1151.9	1111.2	1053.7	1006.8	952.4	899.2	852.2	816.7	794.7	782.2	783.3
32.5°	1208.3	1157.1	1080.9	1017.2	949.3	881.4	821.9	777.0	748.8	737.3	733.1
35°	1265.7	1201.0	1104.9	1022.4	938.9	854.3	783.3	733.1	701.8	685.1	685.1
37.5°	1324.2	1247.0	1121.6	1021.4	920.1	818.8	738.4	685.1	648.5	627.7	622.4
40°	1381.7	1289.8	1134.2	1013.0	891.9	776.0	690.3	632.9	583.8	556.6	552.5
42.5°	1438.1	1325.3	1140.4	999.4	858.5	729.0	636.0	558.7	511.7	486.7	485.6
45°	1489.2	1353.5	1141.5	981.7	814.6	675.7	562.9	488.8	441.8	415.7	415.7
47.5°	1539.4	1384.8	1140.4	958.7	766.6	606.8	485.6	413.6	370.7	354.0	348.8
50°	1599.9	1416.1	1139.4	930.5	704.9	524.3	410.4	348.8	312.3	295.6	295.6
52.5°	1661.6	1452.7	1141.5	890.8	631.8	443.8	343.6	289.3	265.3	254.8	253.8
55°	1740.9	1491.3	1146.7	843.8	555.6	365.5	286.2	249.6	232.9	227.7	228.7
57.5°	1837.0	1544.6	1157.1	788.5	466.8	299.7	245.4	225.6	221.4	223.5	224.5
60°	1946.7	1610.4	1171.8	725.8	388.5	249.6	221.4	217.2	221.4	229.8	230.8
62.5°	2074.1	1689.8	1190.6	655.9	311.2	219.3	211.0	214.1	217.2	230.8	231.8
65°	2186.9	1775.4	1194.7	573.3	252.7	199.5	204.7	206.8	215.1	230.8	231.8
67°	2250.6	1833.9	1166.5	495.0	216.2	189.0	196.3	198.4	213.0	228.7	230.8
67.5°	2257.9	1846.4	1147.7	475.2	208.9	186.9	194.2	198.4	213.0	228.7	229.8
70°	2235.9	1838.1	1022.4	358.2	172.3	172.3	180.7	190.1	204.7	221.4	228.7
72.5°	2040.7	1676.2	791.6	243.3	146.2	155.6	168.1	181.7	195.3	215.1	227.7
75°	1289.8	1078.8	484.6	162.9	122.2	138.9	158.7	174.4	185.9	200.5	208.9
77.5°	689.3	533.7	208.9	96.1	96.1	123.2	147.3	161.9	168.1	173.4	178.6
80°	325.8	248.6	101.3	57.4	66.8	96.1	130.5	146.2	148.3	154.6	156.7
82.5°	64.7	56.4	33.4	30.3	43.9	68.9	108.6	126.4	127.4	137.9	139.9
85°	8.4	7.3	5.2	11.5	28.2	51.2	83.5	108.6	110.7	110.7	108.6
87.5°	4.2	3.1	3.1	8.4	20.9	38.6	68.9	90.9	91.9	72.1	70.0
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)