

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: P1211790

Luminaire Tested: **GKO-PB2B-830-U-T4W**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211790
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2B-830-U-T4W
Description: GEKKO WALL PACK 6000LM PACKAGE 80CRI 3000K FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC
Light Source: (20) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5420.7 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

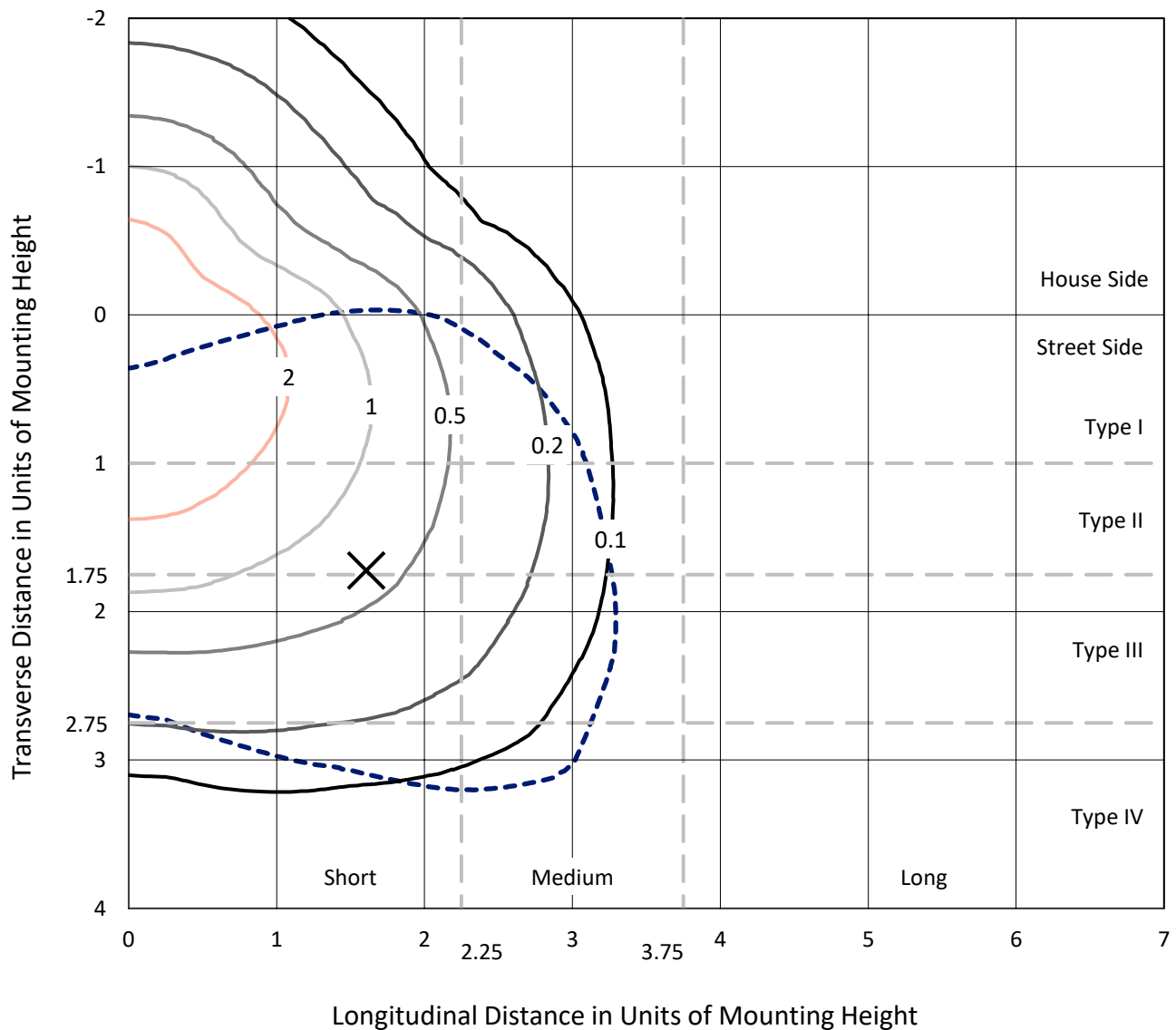
Input Watts (W): 41.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 8%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

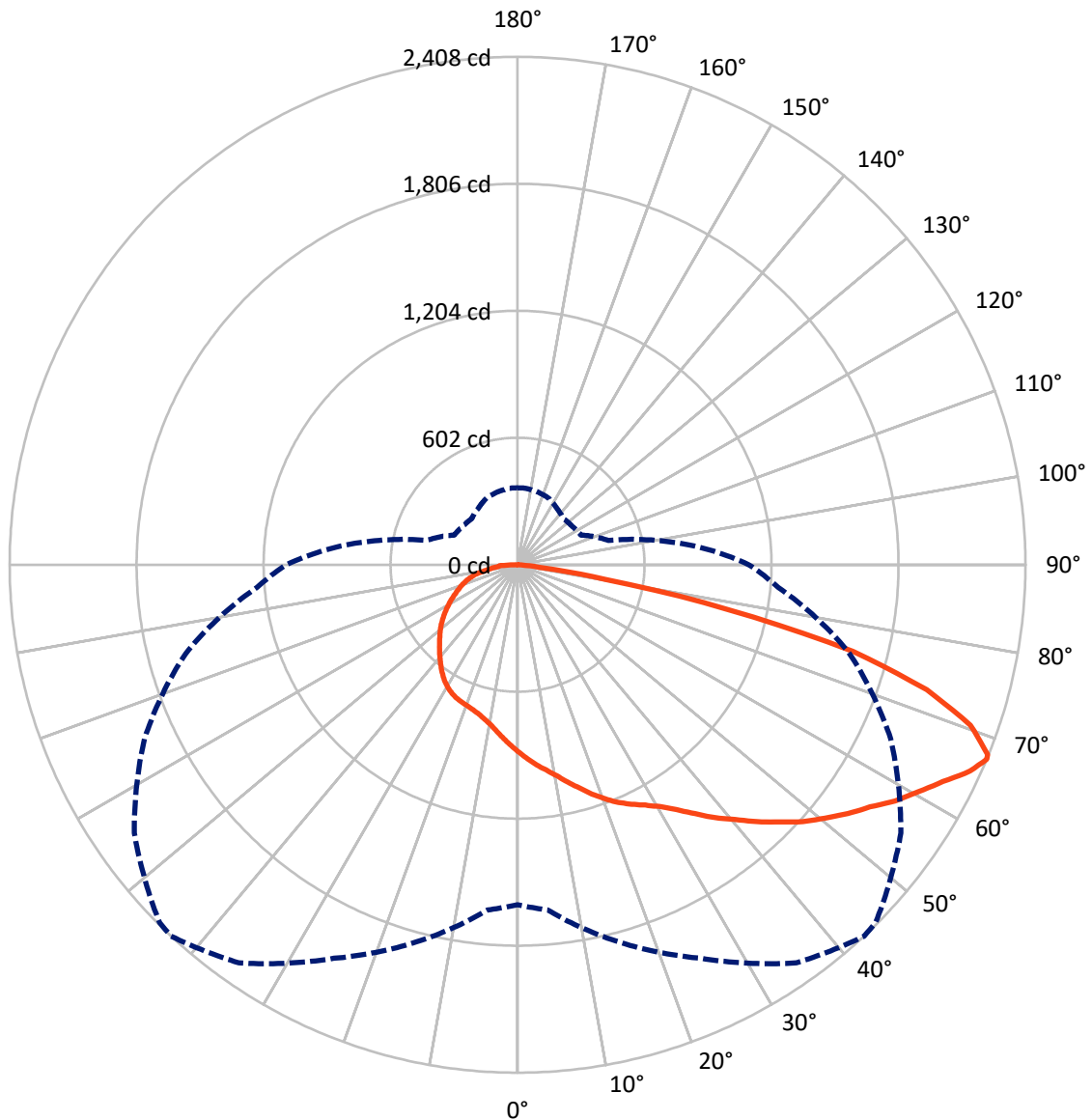
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1458.0	0.0	1458.0
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	3962.7	0.0	3962.7
	% Fixture	73.1	0.0	73.1
Total	Lumens	5420.7	0.0	5420.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.0	1.6
10°-20°	261.4	4.8
20°-30°	452.5	8.3
30°-40°	671.6	12.4
40°-50°	912.3	16.8
50°-60°	1120.0	20.7
60°-70°	1180.4	21.8
70°-80°	651.6	12.0
80°-90°	85.8	1.6
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°	5420.7	100.0
0°-180°	5420.7	100.0

Coefficient of Utilization



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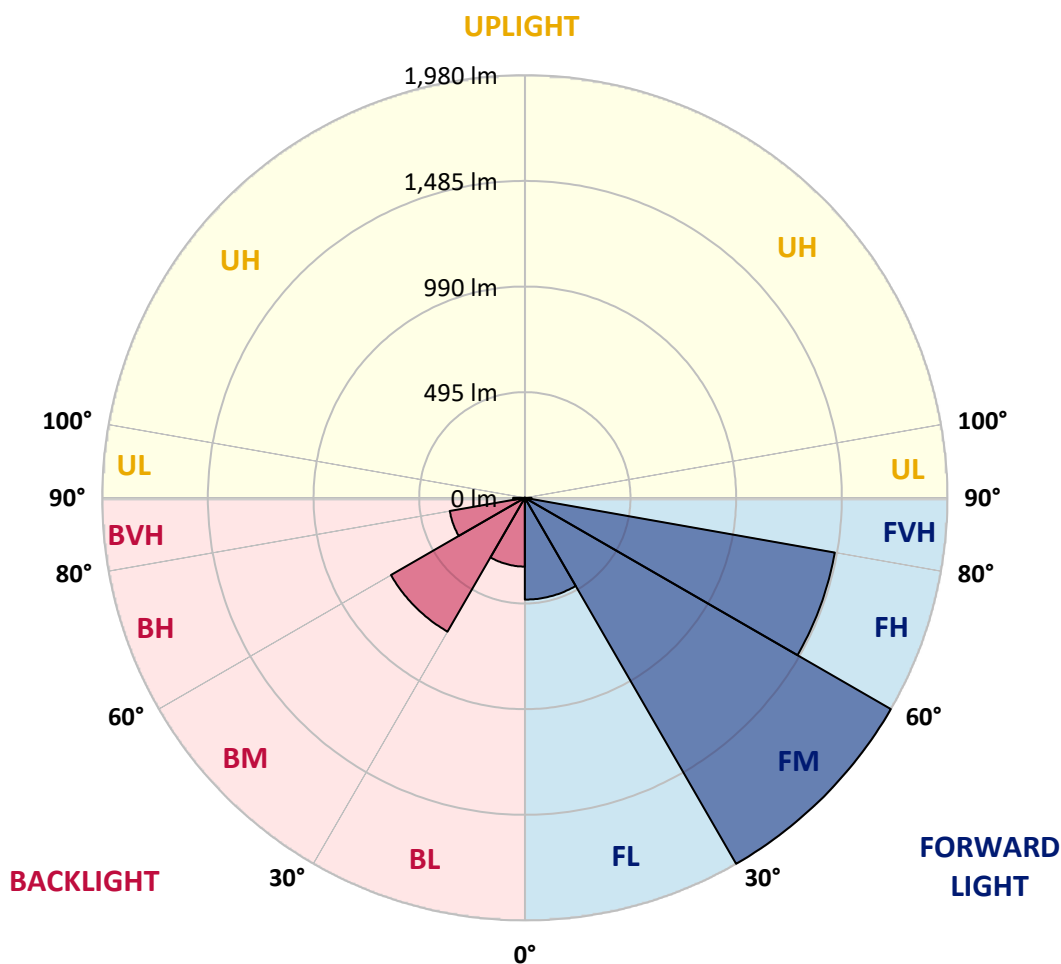
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	476.9	8.8			
FM	(30°-60°)	1979.8	36.5			
FH	(60°-80°)	1474.7	27.2			G1/1800
FVH	(80°-90°)	31.4	0.6			G1/100
BL	(0°-30°)	322.1	5.9	B1/500		
BM	(30°-60°)	724.1	13.4	B1/1000		
BH	(60°-80°)	357.3	6.6	B1/500		G1/500
BVH	(80°-90°)	54.5	1.0			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	889.7	889.7	889.7	889.7	889.7	889.7	889.7	889.7	889.7	889.7	889.7
2.5°	931.0	933.1	931.0	928.8	924.4	922.3	920.1	914.7	908.2	898.4	890.8
5°	972.2	972.2	968.9	966.8	960.2	953.7	950.5	937.5	923.4	907.1	891.9
7.5°	1010.2	1014.5	1009.1	1003.6	993.9	983.0	980.9	961.3	941.8	920.1	897.3
10°	1057.9	1061.2	1053.6	1049.2	1030.8	1016.7	1012.3	988.5	962.4	935.3	906.0
12.5°	1106.7	1108.9	1103.5	1093.7	1074.2	1056.8	1050.3	1018.8	985.2	952.7	915.8
15°	1149.0	1151.2	1149.0	1138.2	1119.7	1098.0	1089.4	1054.6	1013.4	971.1	927.7
17.5°	1180.5	1184.8	1184.8	1179.4	1163.1	1142.5	1137.1	1093.7	1046.0	992.8	941.8
20°	1207.6	1209.8	1214.1	1210.9	1202.2	1184.8	1177.3	1136.0	1078.5	1017.8	955.9
22.5°	1229.3	1231.5	1239.1	1238.0	1232.6	1223.9	1216.3	1178.3	1116.5	1042.7	968.9
25°	1267.3	1266.2	1270.6	1267.3	1260.8	1257.5	1253.2	1219.6	1154.5	1072.0	986.3
27.5°	1333.5	1331.3	1327.0	1310.7	1294.4	1290.1	1286.8	1263.0	1199.0	1105.6	1005.8
30°	1431.2	1433.3	1412.7	1375.8	1343.3	1330.2	1325.9	1309.6	1248.9	1144.7	1027.5
32.5°	1547.2	1546.2	1512.5	1460.4	1409.4	1383.4	1374.7	1357.4	1298.8	1183.8	1052.5
35°	1630.8	1628.6	1611.3	1564.6	1511.4	1449.6	1433.3	1406.2	1351.9	1228.3	1077.4
37.5°	1743.6	1740.4	1706.7	1657.9	1610.2	1521.2	1502.8	1465.9	1402.9	1271.7	1105.6
40°	1872.8	1852.1	1796.8	1746.9	1681.8	1587.4	1572.2	1524.5	1461.5	1324.8	1138.2
42.5°	1989.9	1959.6	1887.9	1825.0	1743.6	1665.5	1646.0	1589.6	1518.0	1373.6	1171.8
45°	2165.7	2091.9	1988.9	1952.0	1810.9	1739.3	1723.0	1653.6	1579.8	1426.8	1205.5
47.5°	2144.0	2091.9	2058.3	2054.0	1881.4	1819.6	1795.7	1724.1	1646.0	1483.2	1240.2
50°	2186.3	2145.1	2147.3	2094.1	1945.5	1887.9	1870.6	1797.9	1713.3	1538.6	1277.1
52.5°	2177.6	2189.6	2183.1	2100.6	2007.3	1959.6	1946.5	1873.8	1777.3	1591.7	1309.6
55°	2247.1	2240.6	2226.5	2145.1	2075.7	2026.8	2016.0	1953.0	1842.4	1637.3	1337.8
57.5°	2298.1	2264.5	2263.4	2195.0	2151.6	2111.5	2094.1	2034.4	1903.1	1677.5	1359.5
60°	2266.6	2226.5	2255.8	2202.6	2198.3	2183.1	2173.3	2106.0	1957.4	1707.8	1368.2
62.5°	2098.4	2108.2	2195.0	2191.8	2249.3	2263.4	2252.5	2155.9	1993.2	1718.7	1361.7
65°	1876.0	1905.3	2038.8	2152.7	2308.9	2357.8	2346.9	2191.8	1989.9	1693.7	1318.3
67°	1611.3	1642.7	1851.1	2058.3	2303.5	2407.7	2400.1	2217.8	1950.9	1629.7	1240.2
67.5°	1552.7	1588.5	1796.8	2014.9	2284.0	2403.3	2397.9	2220.0	1937.9	1599.3	1209.8
70°	1142.5	1184.8	1478.9	1770.8	2127.7	2277.5	2276.4	2138.6	1803.3	1434.4	1049.2
72.5°	711.8	749.8	1054.6	1381.2	1843.5	2027.9	2020.3	1863.0	1552.7	1170.7	827.9
75°	436.2	460.1	664.0	900.6	1336.8	1641.6	1652.5	1456.1	1059.0	695.5	467.6
77.5°	266.9	293.0	418.8	555.5	817.0	1021.0	1023.2	807.3	543.6	378.7	256.1
80°	148.6	155.2	218.1	290.8	418.8	421.0	403.6	355.9	282.1	182.3	131.3
82.5°	58.6	62.9	94.4	117.2	119.4	124.8	116.1	105.2	89.0	58.6	41.2
85°	0.0	0.0	0.0	2.2	7.6	15.2	15.2	10.9	4.3	3.3	3.3
87.5°	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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°	889.7	889.7	889.7	889.7	889.7	889.7	889.7	889.7	889.7	889.7	889.7
2.5°	888.6	887.6	880.0	871.3	864.8	859.3	853.9	847.4	847.4	849.6	848.5
5°	886.5	881.0	866.9	851.7	839.8	829.0	819.2	810.5	809.4	810.5	811.6
7.5°	887.6	877.8	856.1	833.3	813.8	799.7	785.6	779.0	778.0	778.0	778.0
10°	891.9	877.8	848.5	817.0	793.2	772.5	757.3	750.8	751.9	753.0	754.1
12.5°	899.5	880.0	843.1	802.9	772.5	751.9	736.7	731.3	735.6	741.1	742.2
15°	907.1	884.3	837.6	791.0	756.3	733.5	722.6	721.5	729.1	738.9	741.1
17.5°	915.8	887.6	831.1	775.8	738.9	720.5	715.0	718.3	730.2	745.4	748.7
20°	924.4	891.9	823.5	761.7	722.6	709.6	712.9	722.6	737.8	756.3	759.5
22.5°	933.1	895.1	813.8	744.3	705.3	700.9	712.9	729.1	744.3	764.9	769.3
25°	942.9	899.5	801.8	722.6	687.9	691.2	711.8	731.3	747.6	769.3	774.7
27.5°	958.1	906.0	789.9	703.1	668.4	679.2	706.4	730.2	747.6	768.2	774.7
30°	973.3	912.5	780.1	682.5	648.8	663.0	695.5	724.8	742.2	760.6	769.3
32.5°	990.6	921.2	771.5	661.9	627.1	644.5	680.3	712.9	733.5	749.8	758.4
35°	1009.1	934.2	764.9	643.4	605.4	620.6	657.5	697.7	718.3	733.5	741.1
37.5°	1032.9	948.3	760.6	625.0	582.7	595.7	633.7	676.0	699.8	711.8	721.5
40°	1059.0	968.9	760.6	609.8	561.0	569.6	608.7	654.3	678.1	687.9	697.7
42.5°	1085.0	989.5	759.5	594.6	538.2	544.7	583.7	630.4	653.2	660.8	668.4
45°	1115.4	1013.4	758.4	577.2	513.2	519.7	559.9	606.5	628.2	634.7	641.3
47.5°	1148.0	1037.3	754.1	555.5	490.4	495.9	536.0	579.4	601.1	608.7	615.2
50°	1177.3	1060.1	743.2	530.6	469.8	475.2	511.0	546.9	566.4	575.1	581.6
52.5°	1203.3	1076.3	725.9	502.4	447.0	453.5	480.7	512.1	527.3	533.8	538.2
55°	1223.9	1085.0	697.7	475.2	425.3	428.6	450.3	478.5	490.4	491.5	494.8
57.5°	1238.0	1083.9	659.7	443.8	403.6	404.7	419.9	444.9	453.5	452.5	454.6
60°	1241.3	1069.8	614.1	414.5	381.9	378.7	393.9	411.2	416.7	421.0	426.4
62.5°	1228.3	1036.2	562.0	385.2	360.2	354.8	365.7	380.8	389.5	391.7	393.9
65°	1180.5	974.4	499.1	354.8	338.5	328.8	340.7	362.4	376.5	380.8	379.8
67°	1097.0	887.6	444.9	332.0	316.8	308.1	325.5	348.3	358.1	364.6	364.6
67.5°	1069.8	856.1	426.4	324.4	311.4	303.8	320.1	341.8	354.8	362.4	362.4
70°	908.2	702.0	360.2	286.4	279.9	281.0	300.6	324.4	340.7	348.3	348.3
72.5°	692.2	543.6	293.0	249.6	247.4	255.0	279.9	301.6	322.3	335.3	334.2
75°	392.8	313.6	213.8	204.0	212.7	227.9	259.3	283.2	301.6	314.7	313.6
77.5°	228.9	188.8	147.6	140.0	164.9	199.6	232.2	262.6	275.6	279.9	276.7
80°	116.1	98.7	92.2	95.5	110.7	148.6	202.9	238.7	248.5	251.7	248.5
82.5°	36.9	33.6	36.9	48.8	73.8	117.2	163.8	215.9	227.9	227.9	226.8
85°	2.2	2.2	2.2	21.7	51.0	86.8	128.0	188.8	213.8	211.6	208.3
87.5°	1.1	1.1	1.1	14.1	40.1	72.7	112.8	171.4	204.0	188.8	177.9
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)