

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: P1211802

Luminaire Tested: **GKO-PB1E-840-U-T4W**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211802
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1E-840-U-T4W
Description: GEKKO WALL PACK 5000LM PACKAGE 80CRI 4000K FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC
Light Source: (10) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

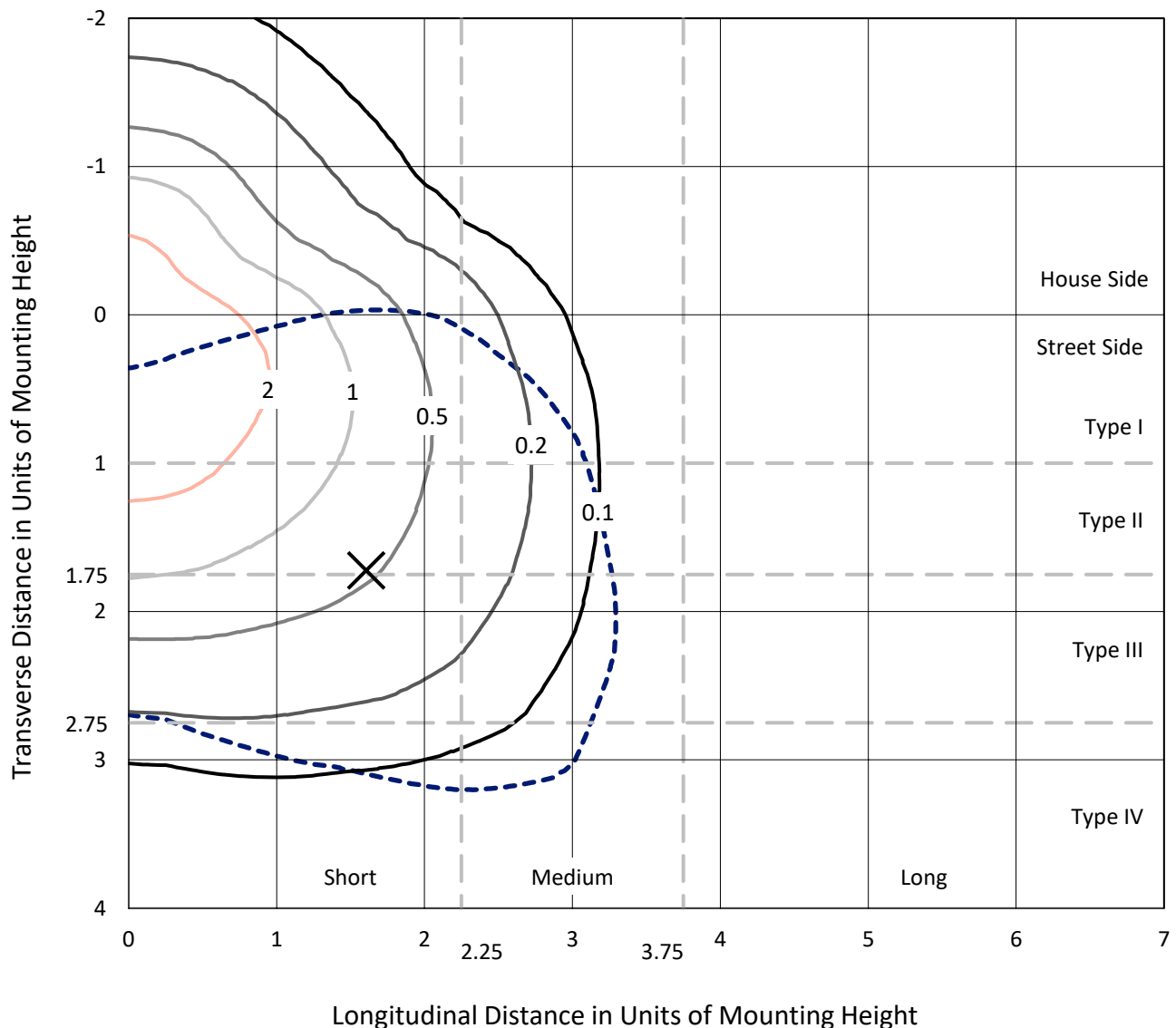
Lumens per Lamp: N/A
Luminaire Lumens: 4616.2 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 38.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 9%
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

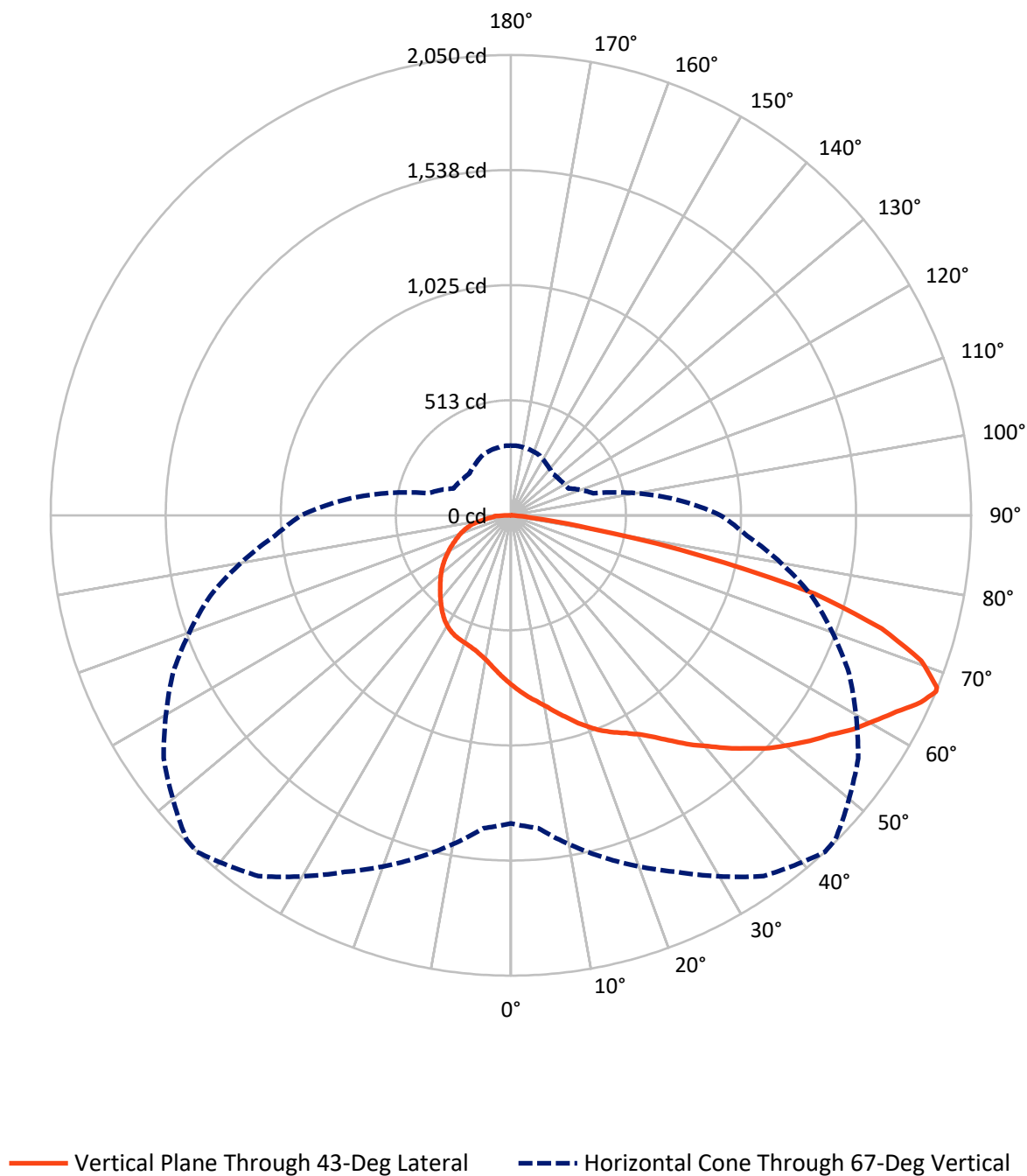
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1241.6	0.0	1241.6
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	3374.6	0.0	3374.6
	% Fixture	73.1	0.0	73.1
Total	Lumens	4616.2	0.0	4616.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.4	1.6
10°-20°	222.6	4.8
20°-30°	385.4	8.3
30°-40°	571.9	12.4
40°-50°	776.9	16.8
50°-60°	953.8	20.7
60°-70°	1005.2	21.8
70°-80°	554.9	12.0
80°-90°	73.1	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°	4616.2	100.0
0°-180°	4616.2	100.0



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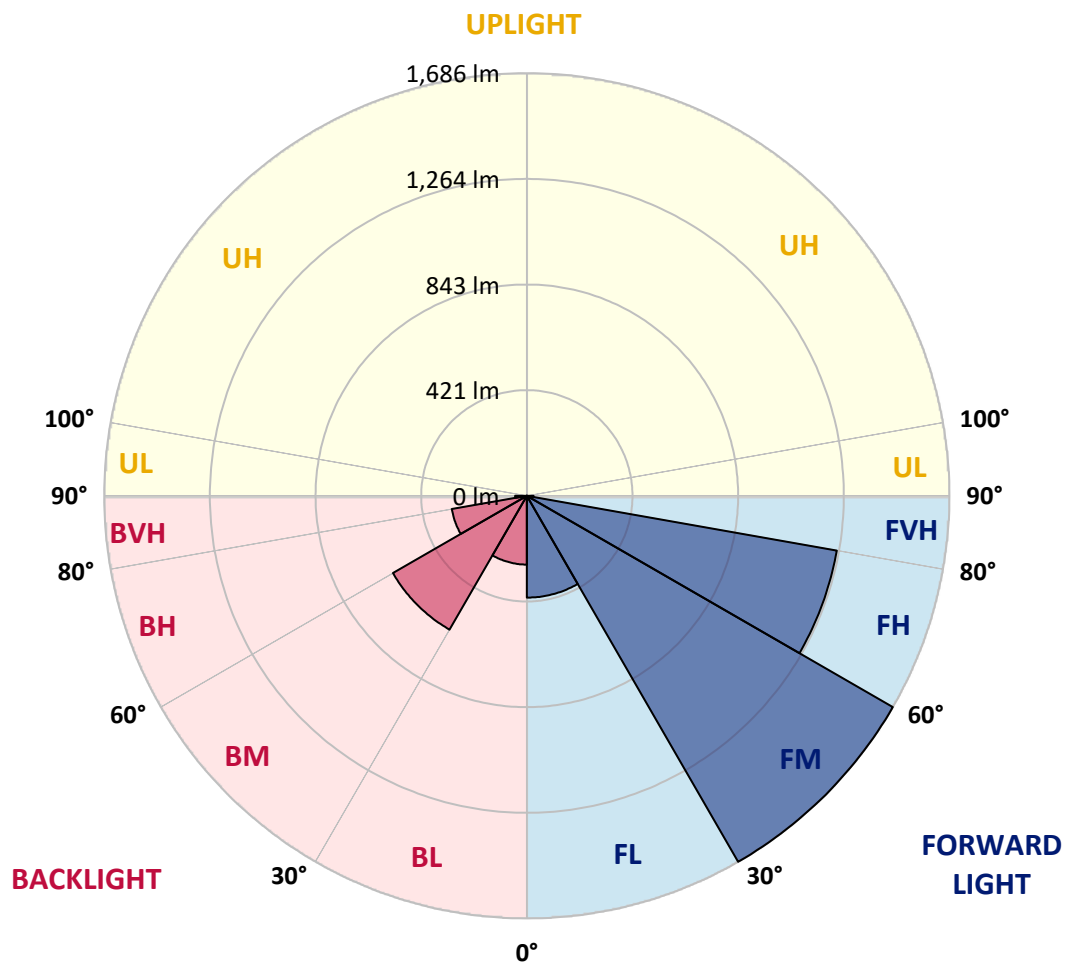
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	406.1	8.8			
FM	(30°-60°)	1686.0	36.5			
FH	(60°-80°)	1255.8	27.2			G1/1800
FVH	(80°-90°)	26.7	0.6			G1/100
BL	(0°-30°)	274.3	5.9	B1/500		
BM	(30°-60°)	616.7	13.4	B1/1000		
BH	(60°-80°)	304.3	6.6	B1/500		G1/500
BVH	(80°-90°)	46.4	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°	757.7	757.7	757.7	757.7	757.7	757.7	757.7	757.7	757.7	757.7	757.7
2.5°	792.8	794.6	792.8	790.9	787.2	785.4	783.6	778.9	773.4	765.1	758.6
5°	827.9	827.9	825.1	823.3	817.7	812.2	809.4	798.3	786.3	772.5	759.5
7.5°	860.2	863.9	859.3	854.7	846.4	837.1	835.3	818.7	802.0	783.6	764.1
10°	900.9	903.7	897.2	893.5	877.8	865.8	862.1	841.8	819.6	796.5	771.5
12.5°	942.5	944.3	939.7	931.4	914.8	900.0	894.4	867.6	839.0	811.3	779.9
15°	978.5	980.4	978.5	969.3	953.6	935.1	927.7	898.1	863.0	827.0	790.0
17.5°	1005.3	1009.0	1009.0	1004.4	990.5	973.0	968.4	931.4	890.7	845.5	802.0
20°	1028.4	1030.3	1034.0	1031.2	1023.8	1009.0	1002.5	967.4	918.5	866.7	814.0
22.5°	1046.9	1048.7	1055.2	1054.3	1049.7	1042.3	1035.8	1003.5	950.8	888.0	825.1
25°	1079.2	1078.3	1082.0	1079.2	1073.7	1070.9	1067.2	1038.6	983.1	912.9	839.9
27.5°	1135.6	1133.7	1130.1	1116.2	1102.3	1098.6	1095.9	1075.5	1021.0	941.6	856.5
30°	1218.8	1220.6	1203.0	1171.6	1143.9	1132.8	1129.1	1115.3	1063.5	974.8	875.0
32.5°	1317.6	1316.7	1288.1	1243.7	1200.3	1178.1	1170.7	1155.9	1106.0	1008.1	896.3
35°	1388.8	1386.9	1372.1	1332.4	1287.1	1234.5	1220.6	1197.5	1151.3	1046.0	917.5
37.5°	1484.9	1482.1	1453.5	1411.9	1371.2	1295.4	1279.7	1248.3	1194.7	1082.9	941.6
40°	1594.8	1577.3	1530.1	1487.6	1432.2	1351.8	1338.9	1298.2	1244.6	1128.2	969.3
42.5°	1694.6	1668.7	1607.8	1554.2	1484.9	1418.3	1401.7	1353.7	1292.7	1169.8	997.9
45°	1844.3	1781.5	1693.7	1662.3	1542.2	1481.2	1467.3	1408.2	1345.3	1215.1	1026.6
47.5°	1825.8	1781.5	1752.8	1749.1	1602.2	1549.5	1529.2	1468.2	1401.7	1263.1	1056.1
50°	1861.9	1826.7	1828.6	1783.3	1656.7	1607.8	1593.0	1531.1	1459.0	1310.2	1087.5
52.5°	1854.5	1864.6	1859.1	1788.9	1709.4	1668.7	1657.7	1595.7	1513.5	1355.5	1115.3
55°	1913.6	1908.1	1896.0	1826.7	1767.6	1726.0	1716.8	1663.2	1569.0	1394.3	1139.3
57.5°	1957.0	1928.4	1927.5	1869.3	1832.3	1798.1	1783.3	1732.5	1620.7	1428.5	1157.8
60°	1930.2	1896.0	1921.0	1875.7	1872.0	1859.1	1850.8	1793.5	1666.9	1454.4	1165.2
62.5°	1787.0	1795.3	1869.3	1866.5	1915.5	1927.5	1918.2	1836.0	1697.4	1463.6	1159.6
65°	1597.6	1622.5	1736.2	1833.2	1966.3	2007.9	1998.6	1866.5	1694.6	1442.4	1122.7
67°	1372.1	1398.9	1576.3	1752.8	1961.7	2050.4	2043.9	1888.7	1661.4	1387.8	1056.1
67.5°	1322.2	1352.7	1530.1	1715.9	1945.0	2046.7	2042.0	1890.5	1650.3	1362.0	1030.3
70°	973.0	1009.0	1259.4	1508.0	1812.0	1939.5	1938.6	1821.2	1535.7	1221.5	893.5
72.5°	606.1	638.5	898.1	1176.3	1569.9	1727.0	1720.5	1586.5	1322.2	997.0	705.0
75°	371.4	391.8	565.5	766.9	1138.4	1398.0	1407.3	1240.0	901.8	592.3	398.2
77.5°	227.3	249.5	356.7	473.1	695.8	869.5	871.3	687.5	462.9	322.5	218.1
80°	126.6	132.1	185.7	247.6	356.7	358.5	343.7	303.1	240.2	155.2	111.8
82.5°	49.9	53.6	80.4	99.8	101.6	106.3	98.9	89.6	75.8	49.9	35.1
85°	0.0	0.0	0.0	1.8	6.5	12.9	12.9	9.2	3.7	2.8	2.8
87.5°	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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°	757.7	757.7	757.7	757.7	757.7	757.7	757.7	757.7	757.7	757.7	757.7
2.5°	756.8	755.8	749.4	742.0	736.4	731.8	727.2	721.6	721.6	723.5	722.6
5°	754.9	750.3	738.3	725.3	715.2	705.9	697.6	690.2	689.3	690.2	691.2
7.5°	755.8	747.5	729.0	709.6	693.0	681.0	669.0	663.4	662.5	662.5	662.5
10°	759.5	747.5	722.6	695.8	675.4	657.9	645.0	639.4	640.3	641.3	642.2
12.5°	766.0	749.4	717.9	683.8	657.9	640.3	627.4	622.8	626.5	631.1	632.0
15°	772.5	753.1	713.3	673.6	644.0	624.6	615.4	614.5	620.9	629.2	631.1
17.5°	779.9	755.8	707.8	660.7	629.2	613.5	608.9	611.7	621.9	634.8	637.6
20°	787.2	759.5	701.3	648.6	615.4	604.3	607.1	615.4	628.3	644.0	646.8
22.5°	794.6	762.3	693.0	633.9	600.6	596.9	607.1	620.9	633.9	651.4	655.1
25°	803.0	766.0	682.8	615.4	585.8	588.6	606.1	622.8	636.6	655.1	659.7
27.5°	815.9	771.5	672.7	598.8	569.2	578.4	601.5	621.9	636.6	654.2	659.7
30°	828.8	777.1	664.4	581.2	552.6	564.6	592.3	617.2	632.0	647.7	655.1
32.5°	843.6	784.5	657.0	563.6	534.1	548.9	579.3	607.1	624.6	638.5	645.9
35°	859.3	795.6	651.4	547.9	515.6	528.5	559.9	594.1	611.7	624.6	631.1
37.5°	879.6	807.6	647.7	532.2	496.2	507.3	539.6	575.7	596.0	606.1	614.5
40°	901.8	825.1	647.7	519.3	477.7	485.1	518.4	557.2	577.5	585.8	594.1
42.5°	924.0	842.7	646.8	506.4	458.3	463.8	497.1	536.8	556.2	562.7	569.2
45°	949.9	863.0	645.9	491.6	437.1	442.6	476.8	516.5	535.0	540.5	546.1
47.5°	977.6	883.3	642.2	473.1	417.6	422.3	456.5	493.4	511.9	518.4	523.9
50°	1002.5	902.7	632.9	451.8	400.1	404.7	435.2	465.7	482.3	489.7	495.3
52.5°	1024.7	916.6	618.2	427.8	380.7	386.2	409.3	436.1	449.1	454.6	458.3
55°	1042.3	924.0	594.1	404.7	362.2	365.0	383.5	407.5	417.6	418.6	421.3
57.5°	1054.3	923.1	561.8	377.9	343.7	344.7	357.6	378.8	386.2	385.3	387.2
60°	1057.1	911.1	523.0	353.0	325.2	322.5	335.4	350.2	354.8	358.5	363.1
62.5°	1046.0	882.4	478.6	328.0	306.8	302.1	311.4	324.3	331.7	333.6	335.4
65°	1005.3	829.8	425.0	302.1	288.3	280.0	290.1	308.6	320.6	324.3	323.4
67°	934.2	755.8	378.8	282.7	269.8	262.4	277.2	296.6	304.9	310.5	310.5
67.5°	911.1	729.0	363.1	276.3	265.2	258.7	272.6	291.1	302.1	308.6	308.6
70°	773.4	597.8	306.8	243.9	238.4	239.3	255.9	276.3	290.1	296.6	296.6
72.5°	589.5	462.9	249.5	212.5	210.7	217.1	238.4	256.9	274.4	285.5	284.6
75°	334.5	267.0	182.0	173.7	181.1	194.0	220.8	241.2	256.9	268.0	267.0
77.5°	195.0	160.8	125.7	119.2	140.4	170.0	197.7	223.6	234.7	238.4	235.6
80°	98.9	84.1	78.5	81.3	94.2	126.6	172.8	203.3	211.6	214.4	211.6
82.5°	31.4	28.6	31.4	41.6	62.8	99.8	139.5	183.9	194.0	194.0	193.1
85°	1.8	1.8	1.8	18.5	43.4	73.9	109.0	160.8	182.0	180.2	177.4
87.5°	0.9	0.9	0.9	12.0	34.2	61.9	96.1	146.0	173.7	160.8	151.5
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)