

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: P1211736

Luminaire Tested: **GKO-PB1F-840-U-T4W**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211736
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1F-840-U-T4W
Description: GEKKO WALL PACK 6500LM 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: 5959.7 lumens
Efficiency: N/A
Efficacy: 109.4 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): 54.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 5.7%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

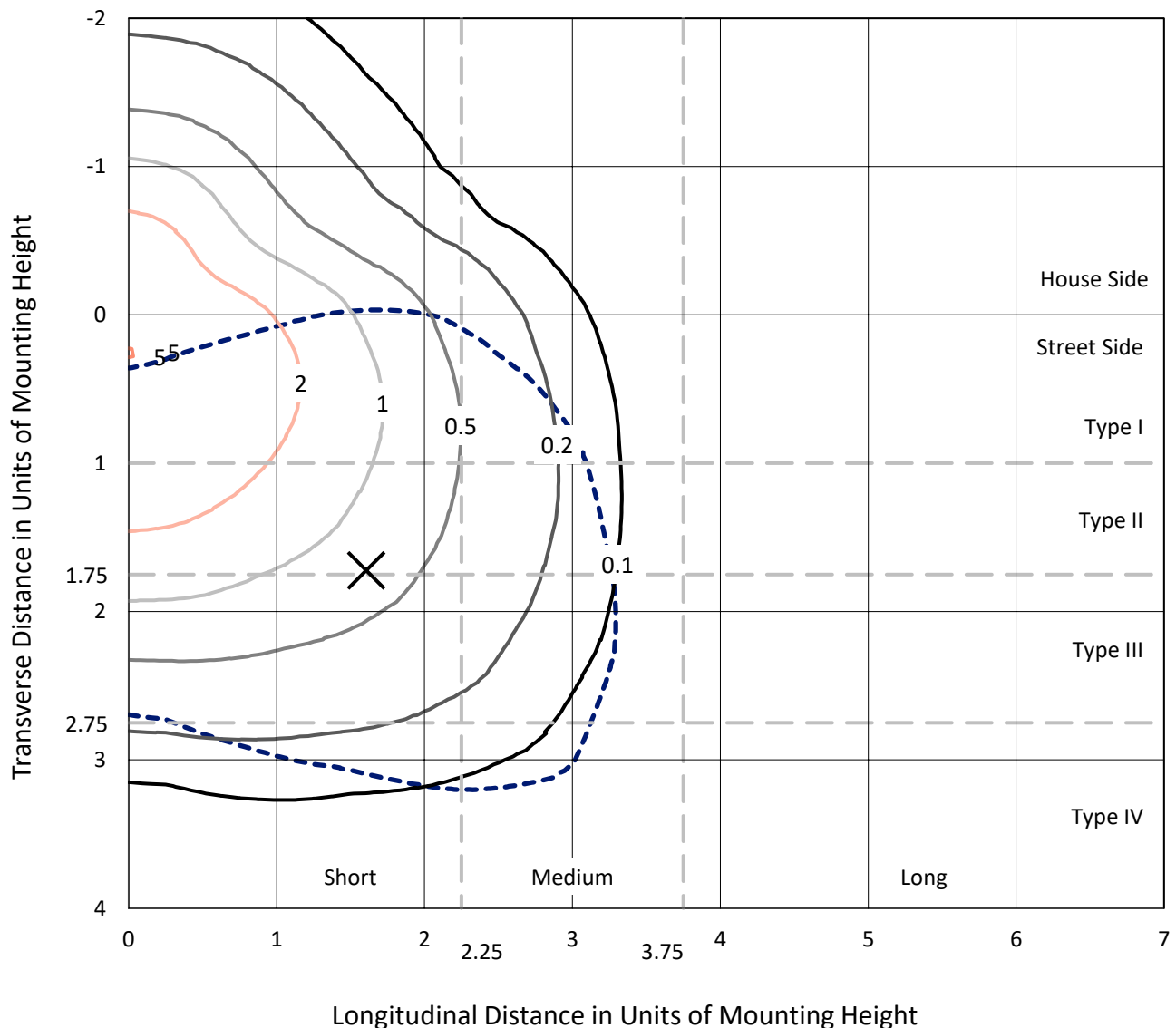
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Iso-Footcandle Lines of Horizontal Illumination

✗ Max cd

--- 1/2 Max cd

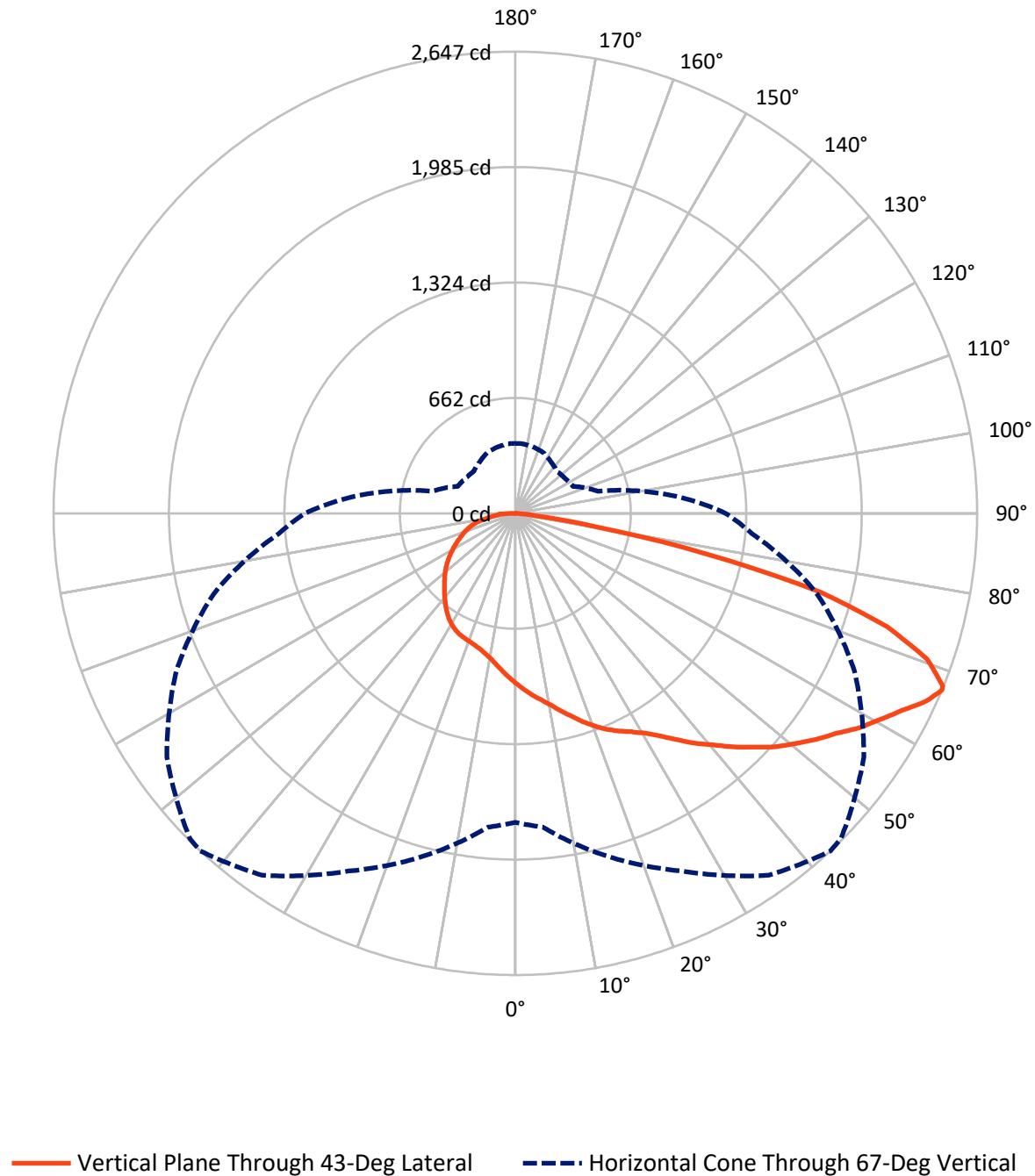


Based on 15 foot mounting height. Maximum calculated value = 5.1 fc

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	1603.0	0.0	1603.0
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	4356.7	0.0	4356.7
	% Fixture	73.1	0.0	73.1
Total	Lumens	5959.7	0.0	5959.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.5	1.6
10°-20°	287.4	4.8
20°-30°	497.5	8.3
30°-40°	738.4	12.4
40°-50°	1003.1	16.8
50°-60°	1231.3	20.7
60°-70°	1297.8	21.8
70°-80°	716.4	12.0
80°-90°	94.4	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°	5959.7	100.0
0°-180°	5959.7	100.0

Coefficient of Utilization



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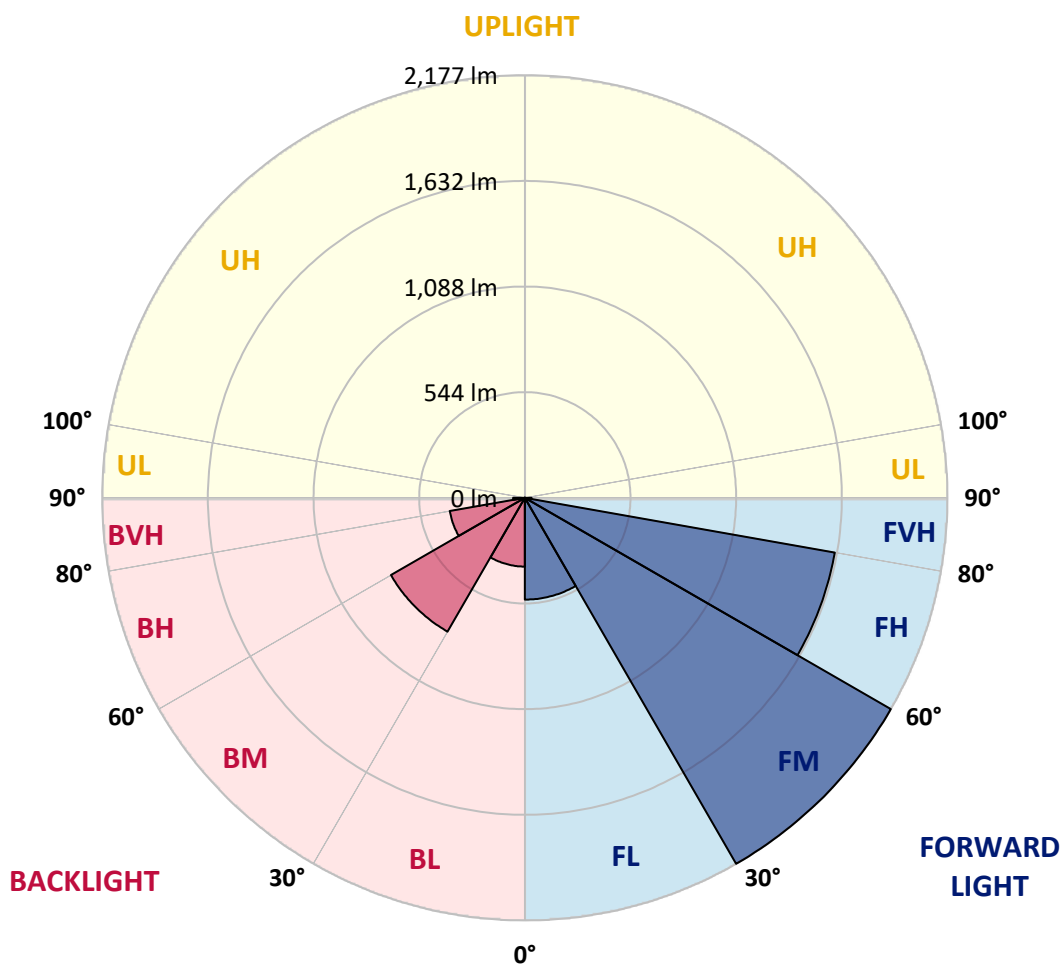
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	524.3	8.8			
FM	(30°-60°)	2176.6	36.5			
FH	(60°-80°)	1621.3	27.2			G1/1800
FVH	(80°-90°)	34.5	0.6			G1/100
BL	(0°-30°)	354.1	5.9	B1/500		
BM	(30°-60°)	796.1	13.4	B1/1000		
BH	(60°-80°)	392.8	6.6	B1/500		G1/500
BVH	(80°-90°)	59.9	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°	978.2	978.2	978.2	978.2	978.2	978.2	978.2	978.2	978.2	978.2	978.2
2.5°	1023.5	1025.9	1023.5	1021.1	1016.4	1014.0	1011.6	1005.6	998.5	987.7	979.4
5°	1068.9	1068.9	1065.3	1062.9	1055.7	1048.6	1045.0	1030.7	1015.2	997.3	980.6
7.5°	1110.6	1115.4	1109.4	1103.4	1092.7	1080.8	1078.4	1056.9	1035.4	1011.6	986.5
10°	1163.1	1166.7	1158.3	1153.5	1133.3	1117.8	1113.0	1086.7	1058.1	1028.3	996.1
12.5°	1216.8	1219.2	1213.2	1202.5	1181.0	1161.9	1154.7	1120.1	1083.2	1047.4	1006.8
15°	1263.3	1265.7	1263.3	1251.4	1231.1	1207.2	1197.7	1159.5	1114.2	1067.7	1019.9
17.5°	1297.9	1302.7	1302.7	1296.7	1278.8	1256.1	1250.2	1202.5	1150.0	1091.5	1035.4
20°	1327.7	1330.1	1334.9	1331.3	1321.7	1302.7	1294.3	1249.0	1185.8	1119.0	1051.0
22.5°	1351.6	1354.0	1362.3	1361.1	1355.2	1345.6	1337.3	1295.5	1227.5	1146.4	1065.3
25°	1393.3	1392.1	1396.9	1393.3	1386.2	1382.6	1377.8	1340.8	1269.3	1178.6	1084.4
27.5°	1466.1	1463.7	1458.9	1441.0	1423.1	1418.4	1414.8	1388.6	1318.2	1215.6	1105.8
30°	1573.5	1575.8	1553.2	1512.6	1476.8	1462.5	1457.7	1439.8	1373.0	1258.5	1129.7
32.5°	1701.1	1699.9	1662.9	1605.7	1549.6	1521.0	1511.4	1492.3	1427.9	1301.5	1157.1
35°	1793.0	1790.6	1771.5	1720.2	1661.7	1593.7	1575.8	1546.0	1486.4	1350.4	1184.6
37.5°	1917.0	1913.4	1876.5	1822.8	1770.3	1672.5	1652.2	1611.6	1542.4	1398.1	1215.6
40°	2059.0	2036.3	1975.5	1920.6	1849.0	1745.2	1728.5	1676.0	1606.9	1456.5	1251.4
42.5°	2187.8	2154.4	2075.7	2006.5	1917.0	1831.1	1809.7	1747.6	1668.9	1510.2	1288.3
45°	2381.1	2299.9	2186.6	2146.1	1991.0	1912.2	1894.3	1818.0	1736.9	1568.7	1325.3
47.5°	2357.2	2299.9	2263.0	2258.2	2068.5	2000.5	1974.3	1895.5	1809.7	1630.7	1363.5
50°	2403.7	2358.4	2360.8	2302.3	2138.9	2075.7	2056.6	1976.7	1883.6	1691.6	1404.1
52.5°	2394.2	2407.3	2400.1	2309.5	2206.9	2154.4	2140.1	2060.2	1954.0	1750.0	1439.8
55°	2470.5	2463.4	2447.9	2358.4	2282.0	2228.4	2216.4	2147.2	2025.6	1800.1	1470.9
57.5°	2526.6	2489.6	2488.4	2413.3	2365.5	2321.4	2302.3	2236.7	2092.4	1844.2	1494.7
60°	2492.0	2447.9	2480.1	2421.6	2416.8	2400.1	2389.4	2315.4	2152.0	1877.6	1504.3
62.5°	2307.1	2317.8	2413.3	2409.7	2472.9	2488.4	2476.5	2370.3	2191.4	1889.6	1497.1
65°	2062.5	2094.8	2241.5	2366.7	2538.5	2592.2	2580.3	2409.7	2187.8	1862.1	1449.4
67°	1771.5	1806.1	2035.1	2263.0	2532.6	2647.1	2638.7	2438.3	2144.9	1791.8	1363.5
67.5°	1707.1	1746.4	1975.5	2215.2	2511.1	2642.3	2636.3	2440.7	2130.5	1758.4	1330.1
70°	1256.1	1302.7	1625.9	1946.8	2339.3	2503.9	2502.7	2351.2	1982.6	1577.0	1153.5
72.5°	782.6	824.3	1159.5	1518.6	2026.8	2229.6	2221.2	2048.2	1707.1	1287.2	910.2
75°	479.6	505.8	730.1	990.1	1469.7	1804.9	1816.8	1600.9	1164.3	764.7	514.1
77.5°	293.5	322.1	460.5	610.8	898.3	1122.5	1124.9	887.5	597.7	416.3	281.5
80°	163.4	170.6	239.8	319.7	460.5	462.9	443.8	391.3	310.2	200.4	144.3
82.5°	64.4	69.2	103.8	128.8	131.2	137.2	127.6	115.7	97.8	64.4	45.3
85°	0.0	0.0	0.0	2.4	8.4	16.7	16.7	11.9	4.8	3.6	3.6
87.5°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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°	978.2	978.2	978.2	978.2	978.2	978.2	978.2	978.2	978.2	978.2	978.2
2.5°	977.0	975.8	967.5	957.9	950.8	944.8	938.8	931.7	931.7	934.1	932.9
5°	974.6	968.6	953.1	936.4	923.3	911.4	900.7	891.1	889.9	891.1	892.3
7.5°	975.8	965.1	941.2	916.2	894.7	879.2	863.7	856.5	855.3	855.3	855.3
10°	980.6	965.1	932.9	898.3	872.0	849.4	832.7	825.5	826.7	827.9	829.1
12.5°	988.9	967.5	926.9	882.8	849.4	826.7	810.0	804.0	808.8	814.8	816.0
15°	997.3	972.2	920.9	869.6	831.5	806.4	794.5	793.3	801.6	812.4	814.8
17.5°	1006.8	975.8	913.8	852.9	812.4	792.1	786.1	789.7	802.8	819.5	823.1
20°	1016.4	980.6	905.4	837.4	794.5	780.2	783.7	794.5	811.2	831.5	835.0
22.5°	1025.9	984.2	894.7	818.3	775.4	770.6	783.7	801.6	818.3	841.0	845.8
25°	1036.6	988.9	881.6	794.5	756.3	759.9	782.6	804.0	821.9	845.8	851.7
27.5°	1053.3	996.1	868.4	773.0	734.8	746.8	776.6	802.8	821.9	844.6	851.7
30°	1070.0	1003.2	857.7	750.3	713.4	728.9	764.7	796.9	816.0	836.2	845.8
32.5°	1089.1	1012.8	848.2	727.7	689.5	708.6	748.0	783.7	806.4	824.3	833.8
35°	1109.4	1027.1	841.0	707.4	665.6	682.3	722.9	767.0	789.7	806.4	814.8
37.5°	1135.7	1042.6	836.2	687.1	640.6	654.9	696.7	743.2	769.4	782.6	793.3
40°	1164.3	1065.3	836.2	670.4	616.7	626.3	669.2	719.3	745.6	756.3	767.0
42.5°	1192.9	1087.9	835.0	653.7	591.7	598.8	641.8	693.1	718.1	726.5	734.8
45°	1226.3	1114.2	833.8	634.6	564.2	571.4	615.5	666.8	690.7	697.9	705.0
47.5°	1262.1	1140.4	829.1	610.8	539.2	545.2	589.3	637.0	660.9	669.2	676.4
50°	1294.3	1165.5	817.1	583.3	516.5	522.5	561.9	601.2	622.7	632.2	639.4
52.5°	1322.9	1183.4	798.1	552.3	491.5	498.6	528.5	563.1	579.8	586.9	591.7
55°	1345.6	1192.9	767.0	522.5	467.6	471.2	495.1	526.1	539.2	540.4	544.0
57.5°	1361.1	1191.7	725.3	487.9	443.8	445.0	461.7	489.1	498.6	497.4	499.8
60°	1364.7	1176.2	675.2	455.7	419.9	416.3	433.0	452.1	458.1	462.9	468.8
62.5°	1350.4	1139.2	617.9	423.5	396.0	390.1	402.0	418.7	428.3	430.6	433.0
65°	1297.9	1071.2	548.7	390.1	372.2	361.5	374.6	398.4	413.9	418.7	417.5
67°	1206.0	975.8	489.1	365.0	348.3	338.8	357.9	382.9	393.7	400.8	400.8
67.5°	1176.2	941.2	468.8	356.7	342.4	334.0	351.9	375.8	390.1	398.4	398.4
70°	998.5	771.8	396.0	314.9	307.8	309.0	330.4	356.7	374.6	382.9	382.9
72.5°	761.1	597.7	322.1	274.4	272.0	280.3	307.8	331.6	354.3	368.6	367.4
75°	431.8	344.8	235.0	224.3	233.8	250.5	285.1	311.4	331.6	345.9	344.8
77.5°	251.7	207.6	162.2	153.9	181.3	219.5	255.3	288.7	303.0	307.8	304.2
80°	127.6	108.6	101.4	105.0	121.7	163.4	223.1	262.4	273.2	276.8	273.2
82.5°	40.6	37.0	40.6	53.7	81.1	128.8	180.1	237.4	250.5	250.5	249.3
85°	2.4	2.4	2.4	23.9	56.1	95.4	140.8	207.6	235.0	232.6	229.0
87.5°	1.2	1.2	1.2	15.5	44.1	79.9	124.1	188.5	224.3	207.6	195.6
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)