

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: P1211820

Luminaire Tested: **GKO-PB2B-850-U-T4W**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211820
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2B-850-U-T4W
Description: GEKKO WALL PACK 6000LM PACKAGE 80CRI 5000K FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC
Light Source: (20) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

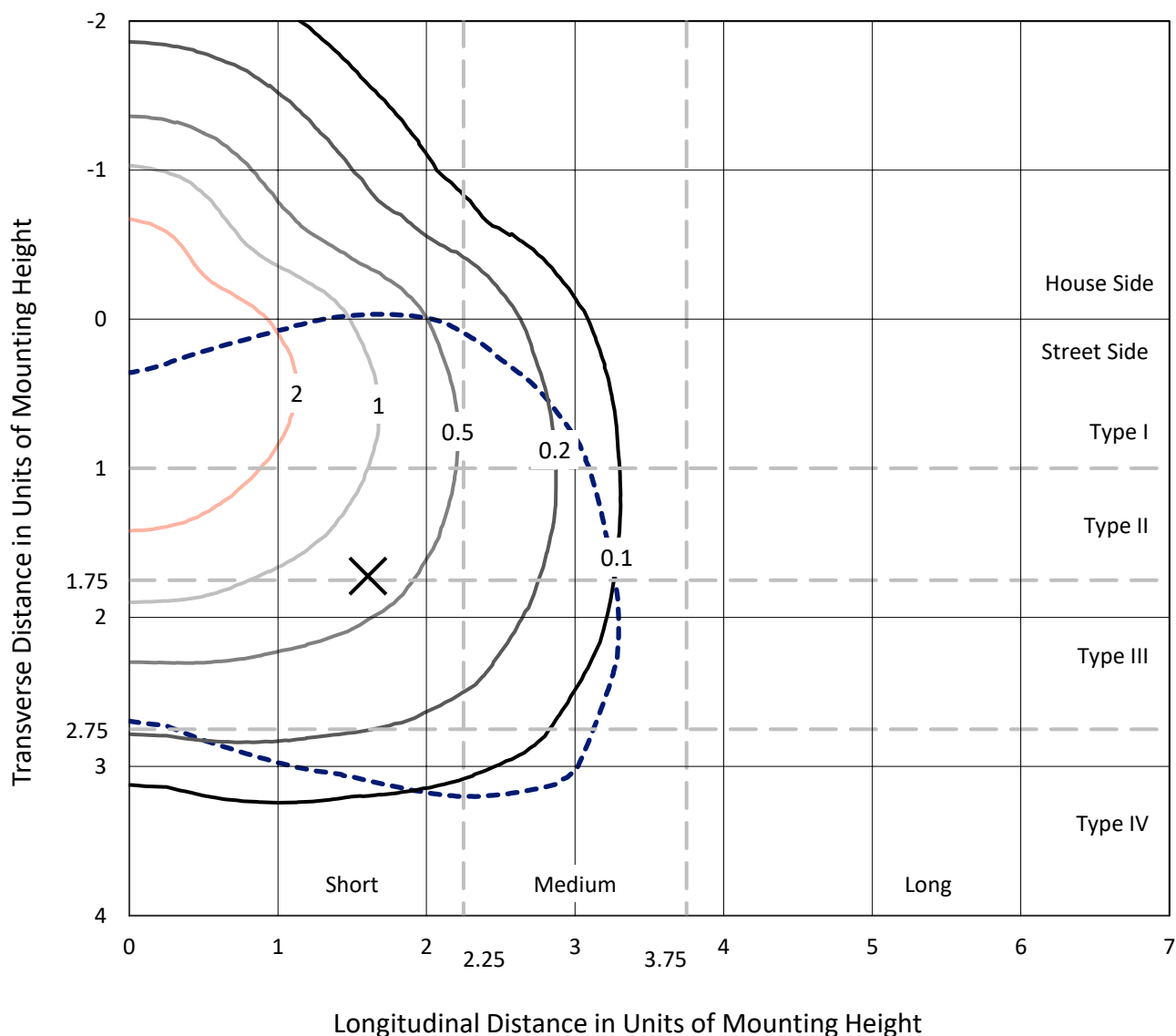
Lumens per Lamp: N/A
Luminaire Lumens: 5685.3 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 41.8
Input Voltage (V): 120
Input Current (A_{in}): 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

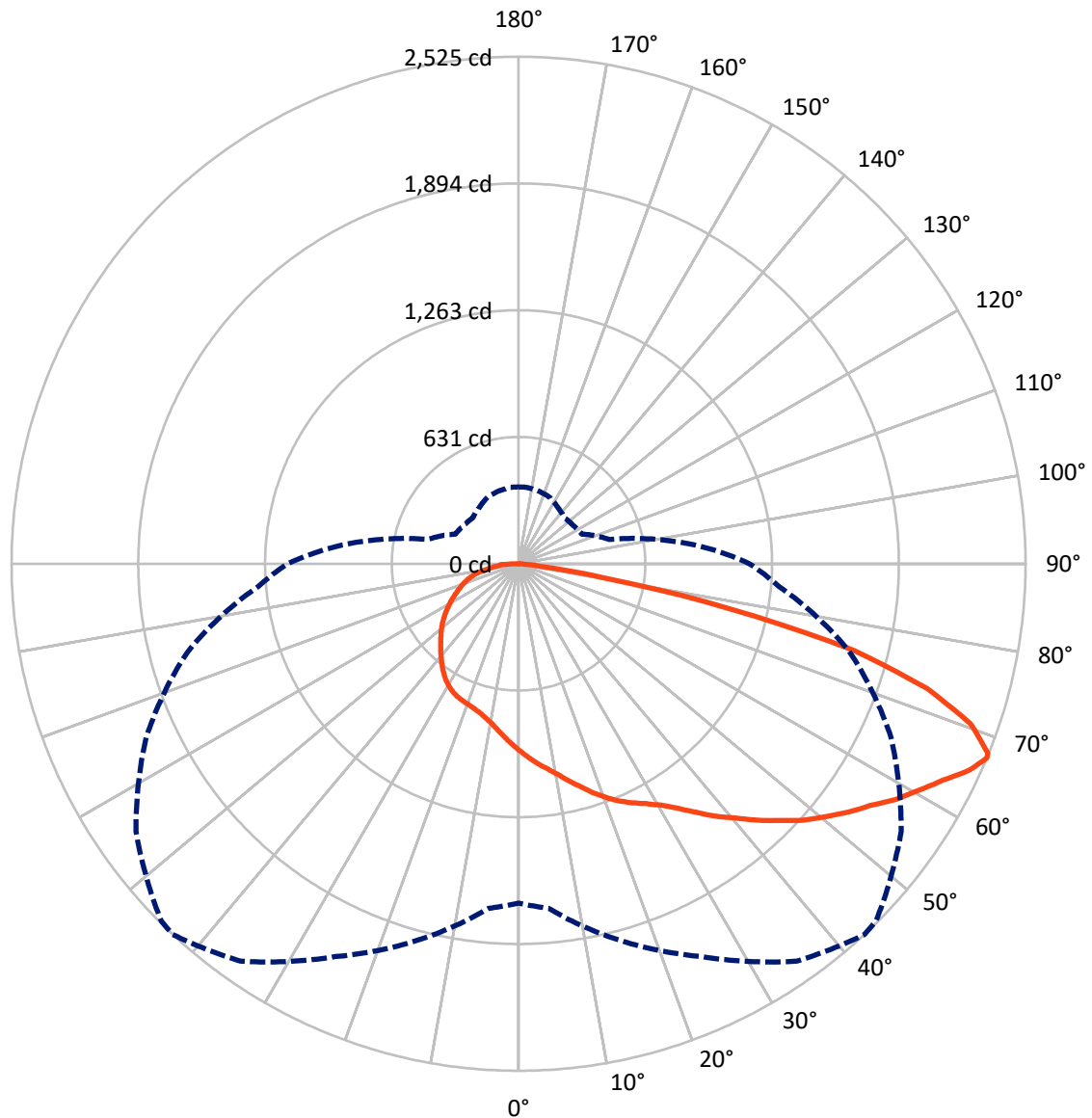
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.8 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	1529.2	0.0	1529.2
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	4156.1	0.0	4156.1
	% Fixture	73.1	0.0	73.1
Total	Lumens	5685.3	0.0	5685.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.2	1.6
10°-20°	274.1	4.8
20°-30°	474.6	8.3
30°-40°	704.4	12.4
40°-50°	956.9	16.8
50°-60°	1174.6	20.7
60°-70°	1238.0	21.8
70°-80°	683.4	12.0
80°-90°	90.0	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°	5685.3	100.0
0°-180°	5685.3	100.0

Coefficient of Utilization



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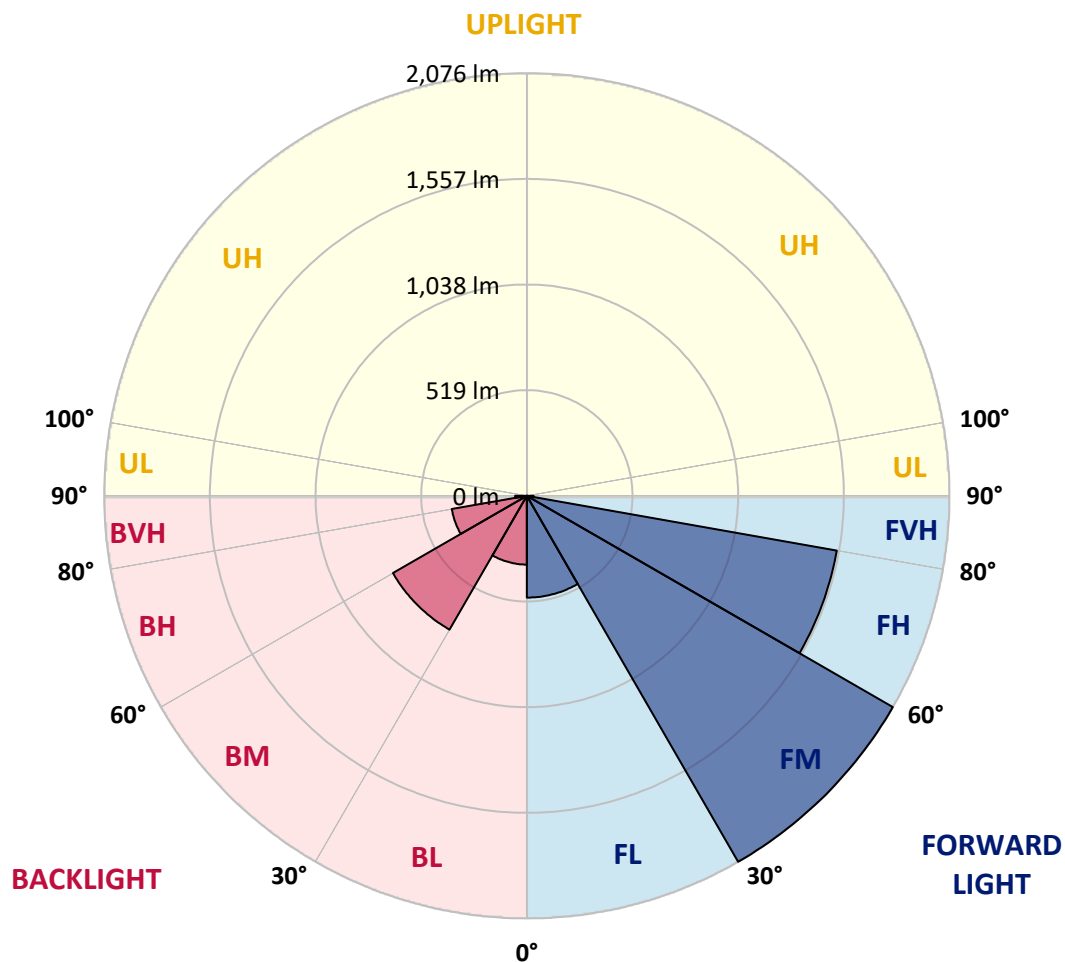
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	500.2	8.8			
FM	(30°-60°)	2076.4	36.5			
FH	(60°-80°)	1546.7	27.2			G1/1800
FVH	(80°-90°)	32.9	0.6			G1/100
BL	(0°-30°)	337.8	5.9	B1/500		
BM	(30°-60°)	759.5	13.4	B1/1000		
BH	(60°-80°)	374.7	6.6	B1/500		G1/500
BVH	(80°-90°)	57.1	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°	933.1	933.1	933.1	933.1	933.1	933.1	933.1	933.1	933.1	933.1	933.1
2.5°	976.4	978.7	976.4	974.1	969.6	967.3	965.0	959.3	952.5	942.3	934.3
5°	1019.6	1019.6	1016.2	1013.9	1007.1	1000.3	996.9	983.2	968.4	951.4	935.4
7.5°	1059.5	1064.0	1058.3	1052.6	1042.4	1031.0	1028.7	1008.3	987.8	965.0	941.1
10°	1109.5	1112.9	1105.0	1100.4	1081.1	1066.3	1061.7	1036.7	1009.4	980.9	950.2
12.5°	1160.7	1163.0	1157.3	1147.1	1126.6	1108.4	1101.6	1068.6	1033.3	999.2	960.5
15°	1205.1	1207.4	1205.1	1193.7	1174.4	1151.6	1142.5	1106.1	1062.9	1018.5	973.0
17.5°	1238.1	1242.7	1242.7	1237.0	1219.9	1198.3	1192.6	1147.1	1097.0	1041.3	987.8
20°	1266.6	1268.9	1273.4	1270.0	1260.9	1242.7	1234.7	1191.5	1131.2	1067.4	1002.6
22.5°	1289.3	1291.6	1299.6	1298.4	1292.8	1283.6	1275.7	1235.9	1171.0	1093.6	1016.2
25°	1329.2	1328.0	1332.6	1329.2	1322.3	1318.9	1314.4	1279.1	1210.8	1124.3	1034.4
27.5°	1398.6	1396.3	1391.8	1374.7	1357.6	1353.1	1349.6	1324.6	1257.5	1159.6	1054.9
30°	1501.0	1503.3	1481.7	1443.0	1408.8	1395.2	1390.6	1373.5	1309.8	1200.6	1077.7
32.5°	1622.8	1621.6	1586.4	1531.7	1478.2	1450.9	1441.8	1423.6	1362.2	1241.5	1103.8
35°	1710.4	1708.1	1689.9	1641.0	1585.2	1520.3	1503.3	1474.8	1417.9	1288.2	1130.0
37.5°	1828.7	1825.3	1790.1	1738.8	1688.8	1595.5	1576.1	1537.4	1471.4	1333.7	1159.6
40°	1964.2	1942.5	1884.5	1832.2	1763.9	1664.9	1648.9	1598.9	1532.9	1389.5	1193.7
42.5°	2087.1	2055.2	1980.1	1914.1	1828.7	1746.8	1726.3	1667.1	1592.0	1440.7	1229.0
45°	2271.4	2194.0	2085.9	2047.2	1899.3	1824.2	1807.1	1734.3	1656.9	1496.4	1264.3
47.5°	2248.7	2194.0	2158.8	2154.2	1973.3	1908.4	1883.4	1808.3	1726.3	1555.6	1300.7
50°	2293.0	2249.8	2252.1	2196.3	2040.4	1980.1	1961.9	1885.6	1796.9	1613.7	1339.4
52.5°	2283.9	2296.5	2289.6	2203.1	2105.3	2055.2	2041.5	1965.3	1864.0	1669.4	1373.5
55°	2356.8	2349.9	2335.1	2249.8	2177.0	2125.8	2114.4	2048.4	1932.3	1717.2	1403.1
57.5°	2410.3	2375.0	2373.8	2302.1	2256.6	2214.5	2196.3	2133.7	1996.0	1759.3	1425.9
60°	2377.3	2335.1	2365.9	2310.1	2305.6	2289.6	2279.4	2208.8	2052.9	1791.2	1435.0
62.5°	2200.9	2211.1	2302.1	2298.7	2359.0	2373.8	2362.5	2261.2	2090.5	1802.6	1428.2
65°	1967.6	1998.3	2138.3	2257.8	2421.6	2472.8	2461.5	2298.7	2087.1	1776.4	1382.7
67°	1689.9	1722.9	1941.4	2158.8	2415.9	2525.2	2517.2	2326.0	2046.1	1709.3	1300.7
67.5°	1628.5	1666.0	1884.5	2113.2	2395.5	2520.6	2514.9	2328.3	2032.4	1677.4	1268.9
70°	1198.3	1242.7	1551.1	1857.2	2231.6	2388.6	2387.5	2243.0	1891.3	1504.4	1100.4
72.5°	746.5	786.3	1106.1	1448.7	1933.4	2126.9	2118.9	1953.9	1628.5	1227.9	868.3
75°	457.5	482.5	696.4	944.5	1402.0	1721.8	1733.2	1527.2	1110.7	729.4	490.5
77.5°	279.9	307.3	439.3	582.6	856.9	1070.8	1073.1	846.7	570.1	397.2	268.6
80°	155.9	162.7	228.7	305.0	439.3	441.5	423.3	373.3	295.9	191.2	137.7
82.5°	61.5	66.0	99.0	122.9	125.2	130.9	121.8	110.4	93.3	61.5	43.2
85°	0.0	0.0	0.0	2.3	8.0	15.9	15.9	11.4	4.6	3.4	3.4
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°	933.1	933.1	933.1	933.1	933.1	933.1	933.1	933.1	933.1	933.1	933.1
2.5°	932.0	930.9	922.9	913.8	907.0	901.3	895.6	888.8	888.8	891.0	889.9
5°	929.7	924.0	909.2	893.3	880.8	869.4	859.2	850.1	848.9	850.1	851.2
7.5°	930.9	920.6	897.9	874.0	853.5	838.7	823.9	817.1	815.9	815.9	815.9
10°	935.4	920.6	889.9	856.9	831.9	810.2	794.3	787.5	788.6	789.8	790.9
12.5°	943.4	922.9	884.2	842.1	810.2	788.6	772.7	767.0	771.6	777.2	778.4
15°	951.4	927.5	878.5	829.6	793.2	769.3	757.9	756.8	764.7	775.0	777.2
17.5°	960.5	930.9	871.7	813.7	775.0	755.6	749.9	753.3	765.9	781.8	785.2
20°	969.6	935.4	863.7	798.9	757.9	744.2	747.7	757.9	773.8	793.2	796.6
22.5°	978.7	938.8	853.5	780.7	739.7	735.1	747.7	764.7	780.7	802.3	806.8
25°	988.9	943.4	841.0	757.9	721.5	724.9	746.5	767.0	784.1	806.8	812.5
27.5°	1004.8	950.2	828.5	737.4	701.0	712.4	740.8	765.9	784.1	805.7	812.5
30°	1020.8	957.0	818.2	715.8	680.5	695.3	729.4	760.2	778.4	797.7	806.8
32.5°	1039.0	966.1	809.1	694.2	657.8	676.0	713.5	747.7	769.3	786.3	795.5
35°	1058.3	979.8	802.3	674.8	635.0	650.9	689.6	731.7	753.3	769.3	777.2
37.5°	1083.4	994.6	797.7	655.5	611.1	624.8	664.6	709.0	734.0	746.5	756.8
40°	1110.7	1016.2	797.7	639.5	588.3	597.4	638.4	686.2	711.2	721.5	731.7
42.5°	1138.0	1037.8	796.6	623.6	564.4	571.3	612.2	661.2	685.1	693.0	701.0
45°	1169.8	1062.9	795.5	605.4	538.3	545.1	587.2	636.1	658.9	665.7	672.5
47.5°	1204.0	1087.9	790.9	582.6	514.4	520.1	562.2	607.7	630.4	638.4	645.2
50°	1234.7	1111.8	779.5	556.5	492.7	498.4	536.0	573.5	594.0	603.1	610.0
52.5°	1262.0	1128.9	761.3	526.9	468.8	475.7	504.1	537.1	553.1	559.9	564.4
55°	1283.6	1138.0	731.7	498.4	446.1	449.5	472.3	501.9	514.4	515.5	518.9
57.5°	1298.4	1136.8	691.9	465.4	423.3	424.5	440.4	466.6	475.7	474.5	476.8
60°	1301.9	1122.1	644.1	434.7	400.6	397.2	413.1	431.3	437.0	441.5	447.2
62.5°	1288.2	1086.8	589.5	404.0	377.8	372.1	383.5	399.4	408.5	410.8	413.1
65°	1238.1	1021.9	523.5	372.1	355.1	344.8	357.3	380.1	394.9	399.4	398.3
67°	1150.5	930.9	466.6	348.2	332.3	323.2	341.4	365.3	375.5	382.4	382.4
67.5°	1122.1	897.9	447.2	340.3	326.6	318.6	335.7	358.5	372.1	380.1	380.1
70°	952.5	736.3	377.8	300.4	293.6	294.7	315.2	340.3	357.3	365.3	365.3
72.5°	726.0	570.1	307.3	261.7	259.5	267.4	293.6	316.4	338.0	351.6	350.5
75°	412.0	328.9	224.2	213.9	223.0	239.0	272.0	297.0	316.4	330.0	328.9
77.5°	240.1	198.0	154.8	146.8	173.0	209.4	243.5	275.4	289.0	293.6	290.2
80°	121.8	103.6	96.7	100.1	116.1	155.9	212.8	250.4	260.6	264.0	260.6
82.5°	38.7	35.3	38.7	51.2	77.4	122.9	171.8	226.5	239.0	239.0	237.8
85°	2.3	2.3	2.3	22.8	53.5	91.0	134.3	198.0	224.2	221.9	218.5
87.5°	1.1	1.1	1.1	14.8	42.1	76.2	118.4	179.8	213.9	198.0	186.6
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)