

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: P1211872

Luminaire Tested: **GKO-PB1E-850-U-T3**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211872
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1E-850-U-T3
Description: GEKKO WALL PACK 5000LM PACKAGE 80CRI 5000K FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (10) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

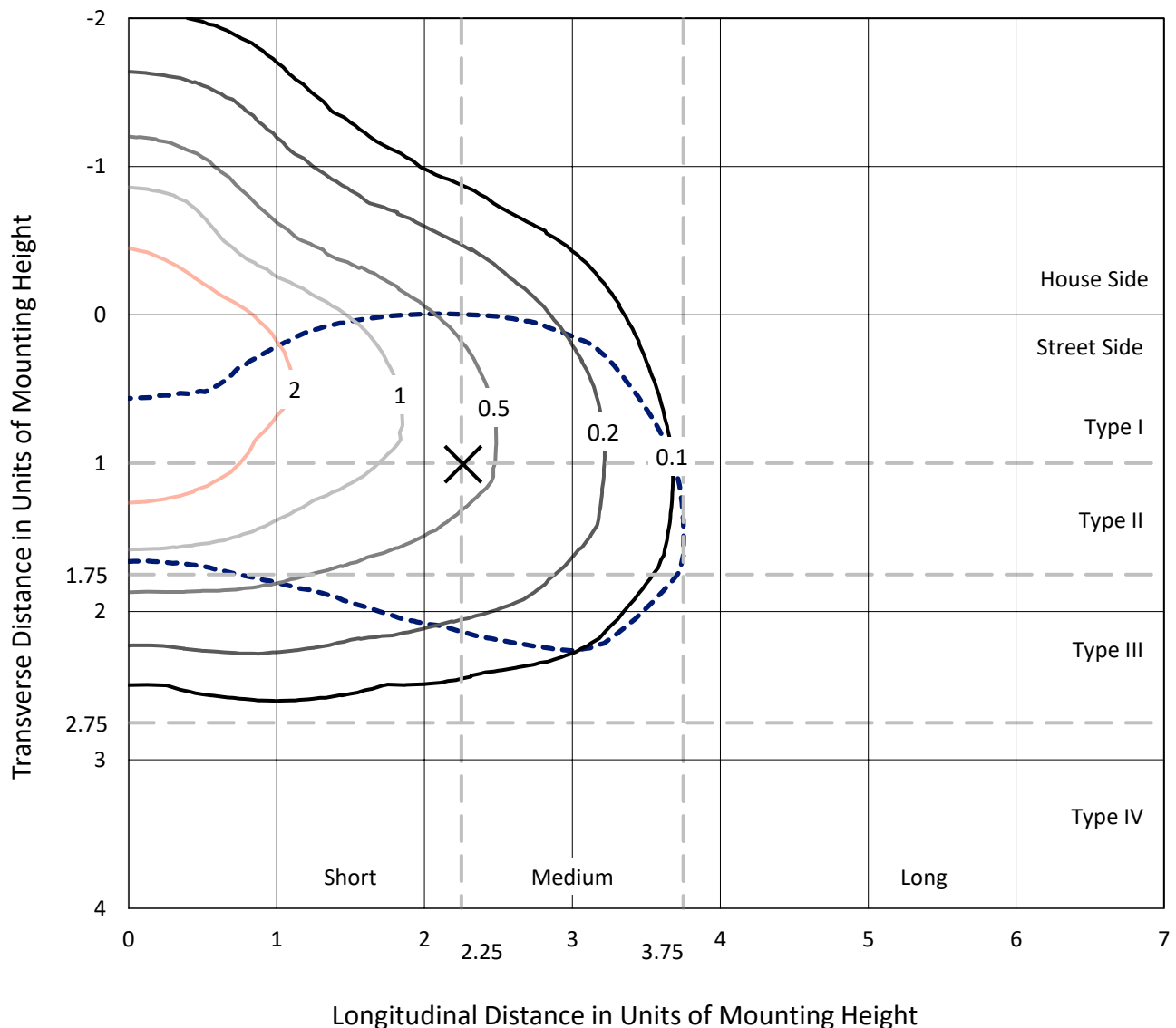
Lumens per Lamp: N/A
Luminaire Lumens: 4759.8 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

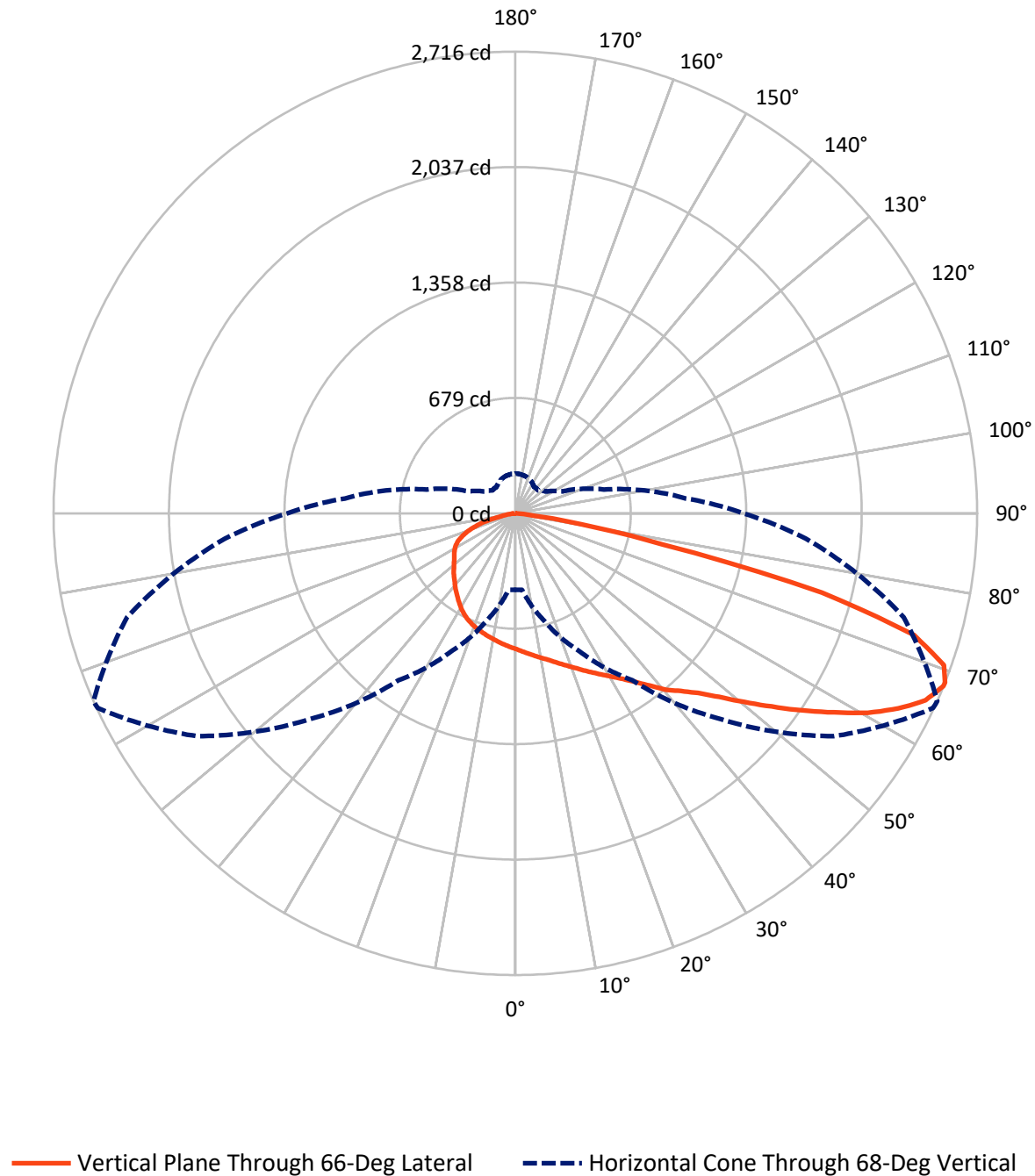
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1218.6	0.0	1218.6
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	3541.2	0.0	3541.2
	% Fixture	74.4	0.0	74.4
Total	Lumens	4759.8	0.0	4759.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.6	1.6
10°-20°	230.2	4.8
20°-30°	396.7	8.3
30°-40°	615.3	12.9
40°-50°	843.0	17.7
50°-60°	1005.6	21.1
60°-70°	1007.7	21.2
70°-80°	533.2	11.2
80°-90°	51.5	1.1
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°	4759.8	100.0
0°-180°	4759.8	100.0



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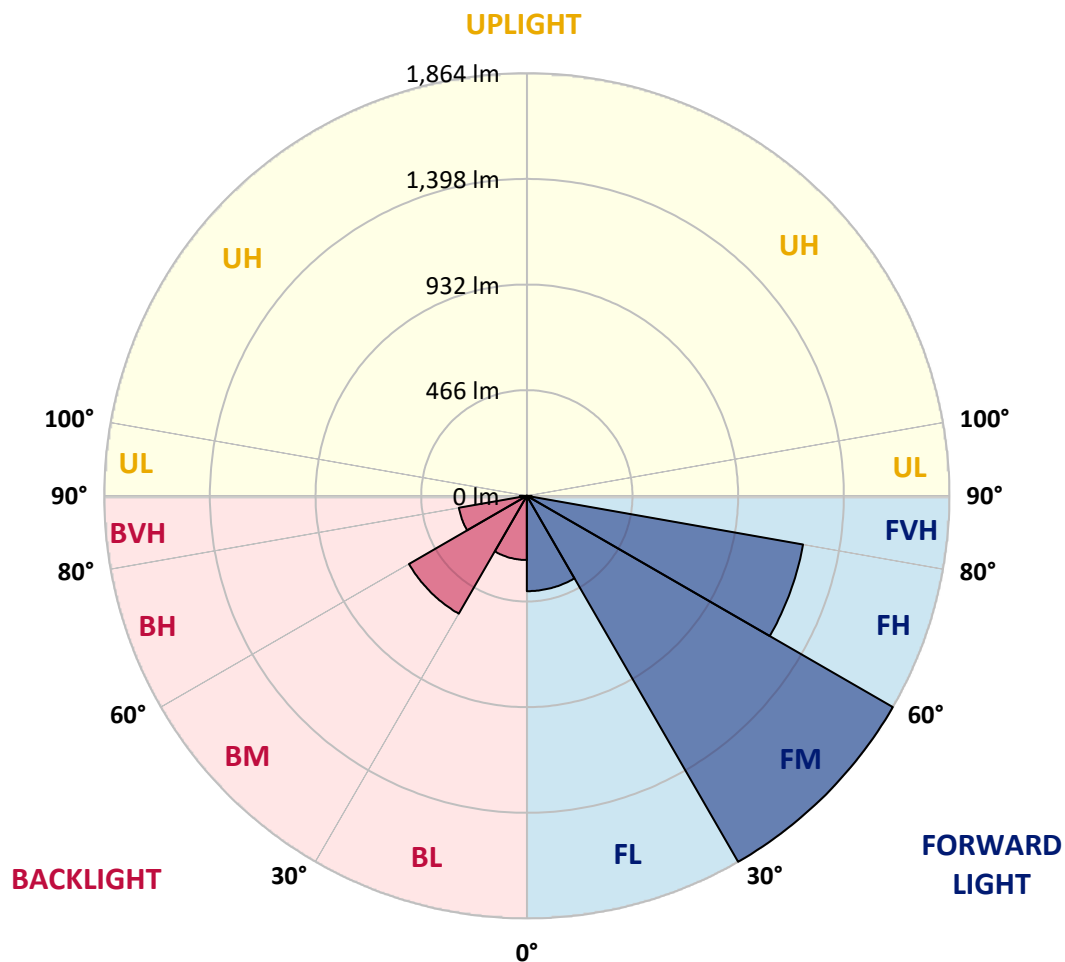
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	420.4	8.8			
FM	(30°-60°)	1863.7	39.2			
FH	(60°-80°)	1236.9	26.0			G1/1800
FVH	(80°-90°)	20.2	0.4			G1/100
BL	(0°-30°)	283.0	5.9	B1/500		
BM	(30°-60°)	600.3	12.6	B1/1000		
BH	(60°-80°)	304.0	6.4	B1/500		G1/500
BVH	(80°-90°)	31.2	0.7			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	798.3	798.3	798.3	798.3	798.3	798.3	798.3	798.3	798.3	798.3	798.3
2.5°	831.6	831.6	829.7	828.8	827.9	822.3	818.6	814.0	814.0	806.6	800.2
5°	860.2	861.1	857.5	857.5	853.8	846.4	839.0	829.7	829.7	818.6	805.7
7.5°	885.2	887.9	884.2	884.2	880.6	872.2	860.2	847.3	847.3	831.6	813.1
10°	909.2	911.0	909.2	911.0	905.5	898.1	884.2	866.7	865.8	846.4	820.5
12.5°	928.6	930.4	931.4	934.1	929.5	924.0	911.0	888.9	886.1	863.0	829.7
15°	947.1	948.9	951.7	955.4	954.5	949.8	937.8	912.9	911.0	881.5	841.7
17.5°	961.9	962.8	968.3	975.7	977.6	978.5	965.6	939.7	937.8	902.7	854.7
20°	983.1	985.0	990.5	997.9	1003.4	1007.1	997.0	968.3	966.5	927.7	871.3
22.5°	1031.2	1028.4	1031.2	1031.2	1033.9	1039.5	1032.1	1003.4	999.7	957.2	891.6
25°	1121.7	1118.9	1111.5	1094.9	1076.4	1075.5	1067.2	1039.5	1034.9	987.7	911.0
27.5°	1248.3	1241.8	1228.0	1192.9	1148.5	1119.9	1106.9	1078.3	1072.7	1018.2	929.5
30°	1382.3	1389.7	1366.6	1318.5	1237.2	1176.2	1151.3	1118.9	1114.3	1052.4	951.7
32.5°	1538.4	1539.3	1516.2	1449.7	1344.4	1247.4	1204.9	1165.1	1161.4	1092.1	981.3
35°	1629.0	1632.7	1622.5	1560.6	1440.5	1325.9	1269.5	1221.5	1218.7	1142.0	1018.2
37.5°	1723.2	1731.5	1715.8	1647.5	1513.5	1398.9	1341.6	1288.9	1286.2	1199.3	1064.4
40°	1862.7	1859.0	1842.4	1741.7	1581.8	1459.9	1412.8	1371.2	1364.7	1269.5	1111.5
42.5°	1963.5	1972.7	1936.7	1823.0	1656.7	1520.9	1483.9	1436.8	1428.5	1312.0	1139.3
45°	1997.6	1989.3	1949.6	1866.4	1754.6	1576.3	1551.4	1515.3	1507.0	1386.9	1193.8
47.5°	2005.0	1990.2	1955.1	1892.3	1837.8	1648.4	1633.6	1625.3	1613.3	1481.1	1259.4
50°	1959.8	1949.6	1933.0	1901.5	1891.4	1715.8	1723.2	1753.7	1743.5	1582.8	1332.4
52.5°	1857.2	1852.6	1867.4	1887.7	1860.9	1774.0	1829.5	1891.4	1887.7	1694.6	1410.9
55°	1664.1	1664.1	1747.2	1818.4	1834.1	1811.9	1944.0	2050.3	2045.7	1820.2	1485.8
57.5°	1487.6	1490.4	1559.7	1719.5	1786.0	1852.6	2071.6	2216.6	2209.2	1961.6	1564.3
60°	1264.9	1264.9	1370.3	1570.8	1716.8	1884.0	2184.3	2377.4	2382.0	2098.4	1641.9
62.5°	1001.6	1004.4	1150.4	1386.0	1617.0	1889.5	2273.9	2528.9	2528.0	2222.2	1702.0
65°	738.3	739.2	937.8	1180.8	1467.3	1850.7	2322.9	2645.3	2650.9	2320.1	1737.1
67.5°	479.5	488.8	690.2	958.2	1255.7	1740.8	2297.0	2707.3	2713.7	2365.4	1726.0
68°	449.1	450.9	653.3	897.2	1198.4	1713.1	2285.0	2710.0	2715.6	2364.5	1714.9
70°	291.1	291.1	467.5	700.4	956.3	1540.3	2180.6	2666.6	2673.1	2323.8	1634.5
72.5°	157.1	159.8	267.0	424.1	653.3	1191.9	1968.1	2440.2	2451.3	2101.1	1429.4
75°	110.0	111.8	155.2	237.5	355.7	776.1	1538.4	1864.6	1862.7	1451.6	895.3
77.5°	79.5	79.5	88.7	147.8	186.6	354.8	761.4	898.1	887.9	708.7	451.8
80°	51.7	51.7	55.4	77.6	89.6	108.1	232.8	389.0	396.4	345.6	225.5
82.5°	21.3	22.2	24.0	31.4	32.3	45.3	66.5	111.8	108.1	87.8	63.8
85°	2.8	2.8	3.7	4.6	5.5	10.2	9.2	9.2	9.2	11.1	10.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.8	2.8	3.7	2.8
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°	798.3	798.3	798.3	798.3	798.3	798.3	798.3	798.3	798.3	798.3	798.3
2.5°	798.3	798.3	792.8	787.2	781.7	777.1	770.6	766.0	766.9	769.7	768.7
5°	802.9	798.3	787.2	775.2	766.0	757.7	745.7	739.2	738.3	740.1	739.2
7.5°	805.7	798.3	781.7	763.2	748.4	737.3	720.7	714.2	711.5	712.4	712.4
10°	811.3	799.2	776.1	750.3	731.8	716.1	698.5	689.3	686.5	686.5	685.6
12.5°	817.7	801.1	770.6	739.2	715.2	696.7	676.4	666.2	663.4	663.4	662.5
15°	824.2	803.9	765.1	727.2	699.5	677.3	657.9	645.9	642.2	642.2	644.0
17.5°	832.5	806.6	759.5	716.1	682.8	657.9	637.5	625.5	620.9	623.7	625.5
20°	840.8	812.2	754.0	704.1	666.2	640.3	620.0	608.0	603.4	608.0	608.9
22.5°	852.8	816.8	747.5	690.2	649.6	620.9	602.4	591.3	588.6	593.2	596.9
25°	864.8	822.3	739.2	675.4	628.3	600.6	585.8	577.5	578.4	584.9	588.6
27.5°	877.8	827.0	730.9	656.9	605.2	579.3	568.2	566.4	570.1	577.5	582.1
30°	893.5	833.4	719.8	635.7	579.3	556.2	551.6	557.2	563.6	571.0	575.6
32.5°	913.8	841.7	708.7	611.7	552.5	531.3	538.7	550.7	558.1	565.5	570.1
35°	942.5	858.4	702.2	587.6	523.9	510.0	526.7	546.1	551.6	556.2	561.8
37.5°	975.7	880.6	699.5	565.5	498.0	491.6	514.7	537.8	539.6	541.5	547.0
40°	1008.1	897.2	692.1	541.5	471.2	471.2	499.9	522.0	521.1	518.4	522.0
42.5°	1021.0	895.3	670.8	518.4	450.0	450.9	476.8	498.0	492.5	492.5	498.0
45°	1058.0	910.1	655.1	499.9	430.6	426.9	447.2	463.8	473.1	485.1	490.6
47.5°	1105.1	930.4	643.1	478.6	412.1	400.1	411.2	438.9	454.6	467.5	472.2
50°	1154.0	953.5	632.0	456.4	393.6	369.6	375.1	405.6	419.5	426.0	428.7
52.5°	1203.9	974.8	623.7	438.0	372.4	333.6	345.6	374.2	384.4	388.1	389.9
55°	1248.3	992.4	616.3	422.3	348.3	304.9	314.2	343.7	351.1	354.8	357.6
57.5°	1295.4	1011.8	611.7	407.5	321.5	280.0	286.4	313.2	323.4	327.1	329.9
60°	1337.0	1030.2	608.0	391.8	296.6	257.8	261.5	287.4	298.4	300.3	303.1
62.5°	1364.7	1042.2	602.4	372.4	273.5	236.5	237.5	262.4	274.4	276.3	278.1
65°	1372.1	1039.5	585.8	346.5	250.4	215.3	215.3	239.3	252.2	258.7	261.5
67.5°	1349.9	1016.4	550.7	313.2	228.2	195.9	195.9	217.1	231.0	238.4	241.2
68°	1342.5	1006.2	539.6	304.9	222.7	191.3	191.3	213.4	226.4	232.8	234.7
70°	1279.7	956.3	488.8	273.5	205.1	177.4	177.4	196.8	210.7	210.7	209.7
72.5°	1111.5	828.8	401.9	229.1	179.3	157.1	159.8	178.3	182.9	187.6	186.6
75°	688.4	496.2	269.8	181.1	150.6	137.7	143.2	159.8	162.6	172.8	170.0
77.5°	344.6	243.0	143.2	105.3	116.4	118.3	128.4	140.4	148.8	159.8	152.5
80°	170.0	118.3	84.1	65.6	68.4	86.9	111.8	121.0	135.8	143.2	136.7
82.5°	47.1	36.0	34.2	36.0	50.8	67.5	87.8	107.2	126.6	133.1	123.8
85°	8.3	6.5	5.5	17.6	35.1	49.9	71.1	95.2	113.6	109.0	102.6
87.5°	2.8	1.8	1.8	11.1	25.9	40.7	61.0	85.0	97.0	87.8	78.5
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)