

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: P1211971

Luminaire Tested: **GKO-PB2A-830-U-T2U**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211971
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2A-830-U-T2U
Description: GEKKO WALL PACK 4000LM PACKAGE 80CRI 3000K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source: (20) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

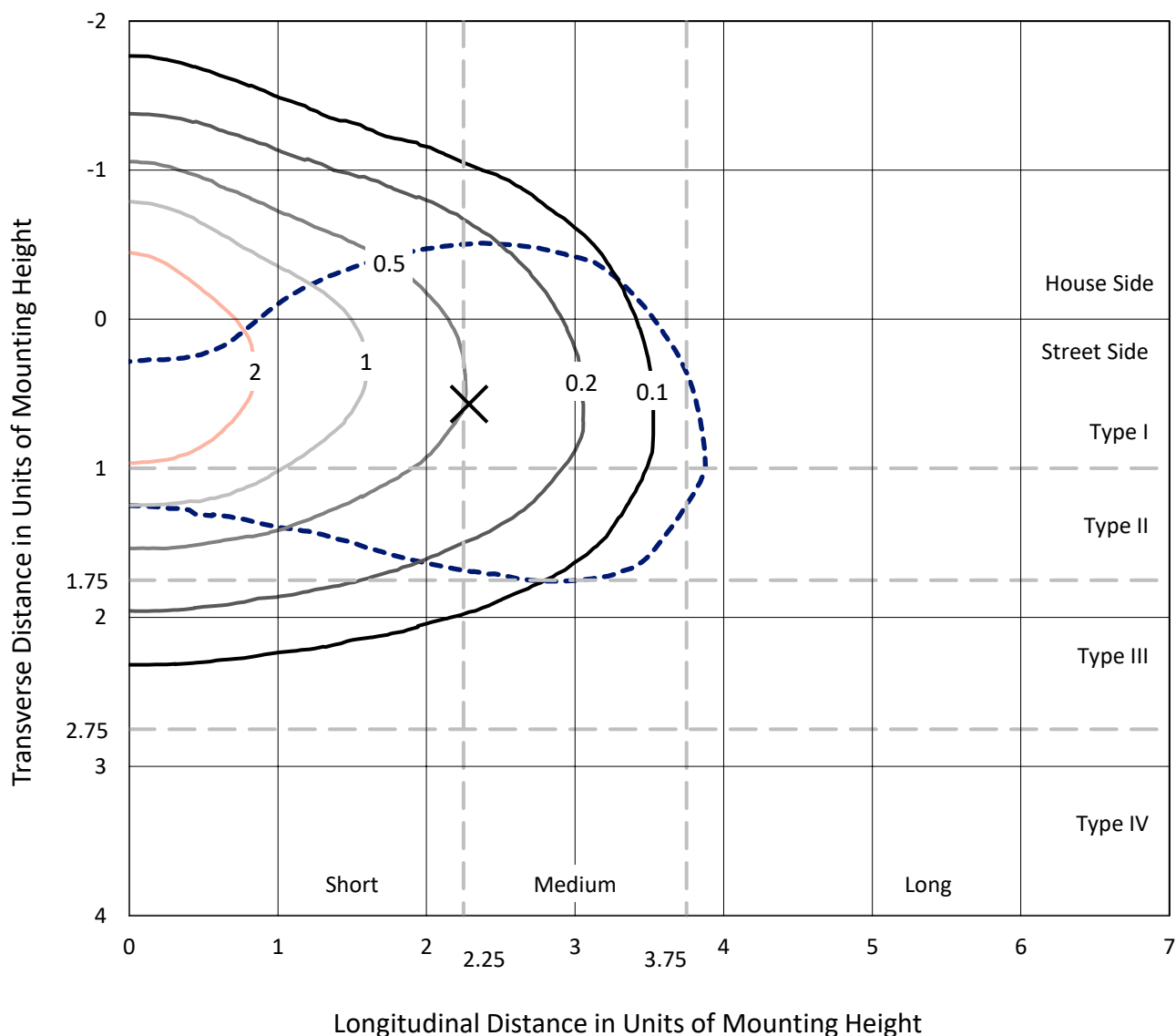
Lumens per Lamp: N/A
Luminaire Lumens: 3700.3 lumens
Efficiency: N/A
Efficacy: 139.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 26.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 12%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1211971
 CATALOG NUMBER: GKO-PB2A-830-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

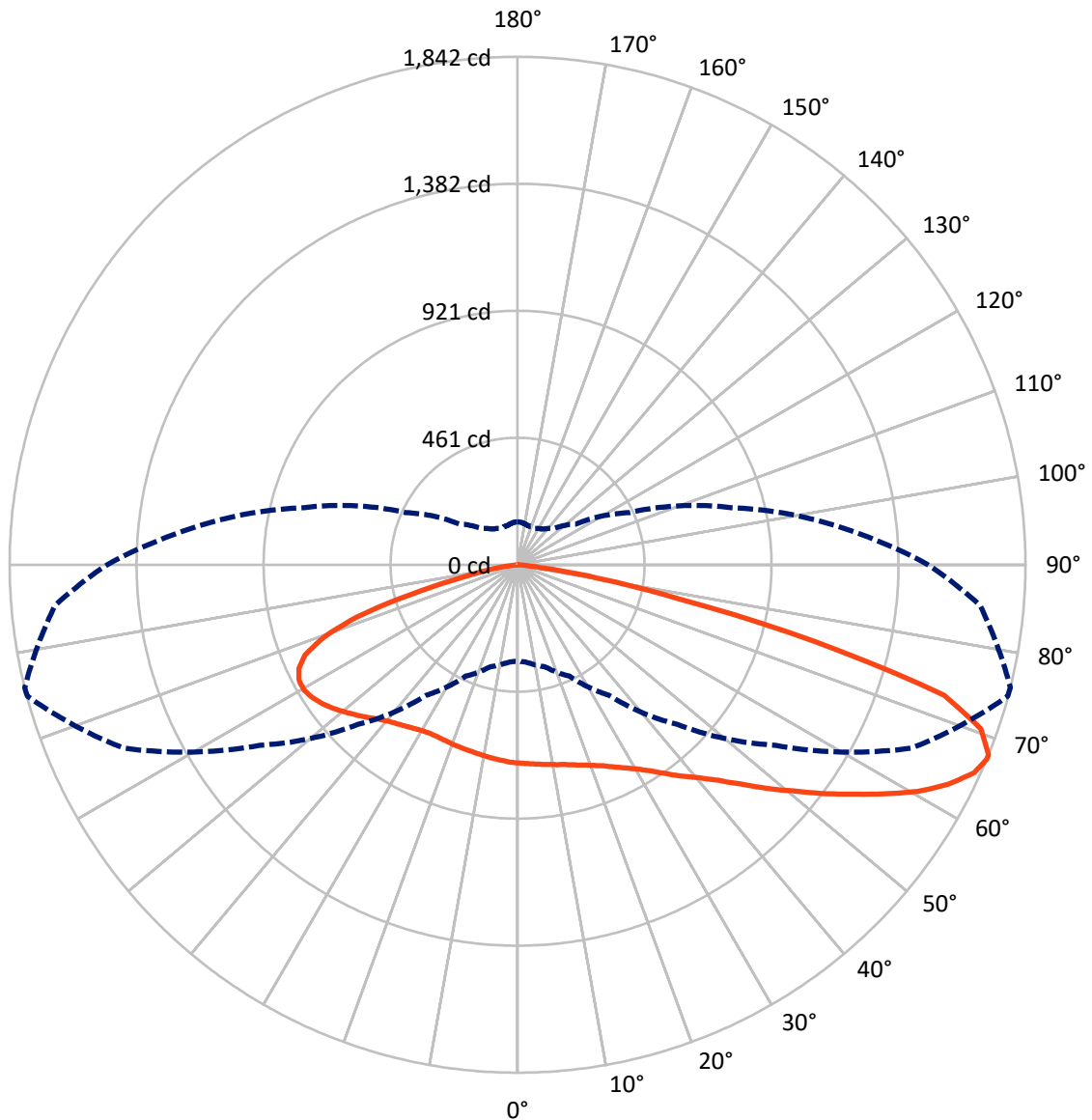
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P1211971
CATALOG NUMBER: GKO-PB2A-830-U-T2U

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P1211971

CATALOG NUMBER: GKO-PB2A-830-U-T2U

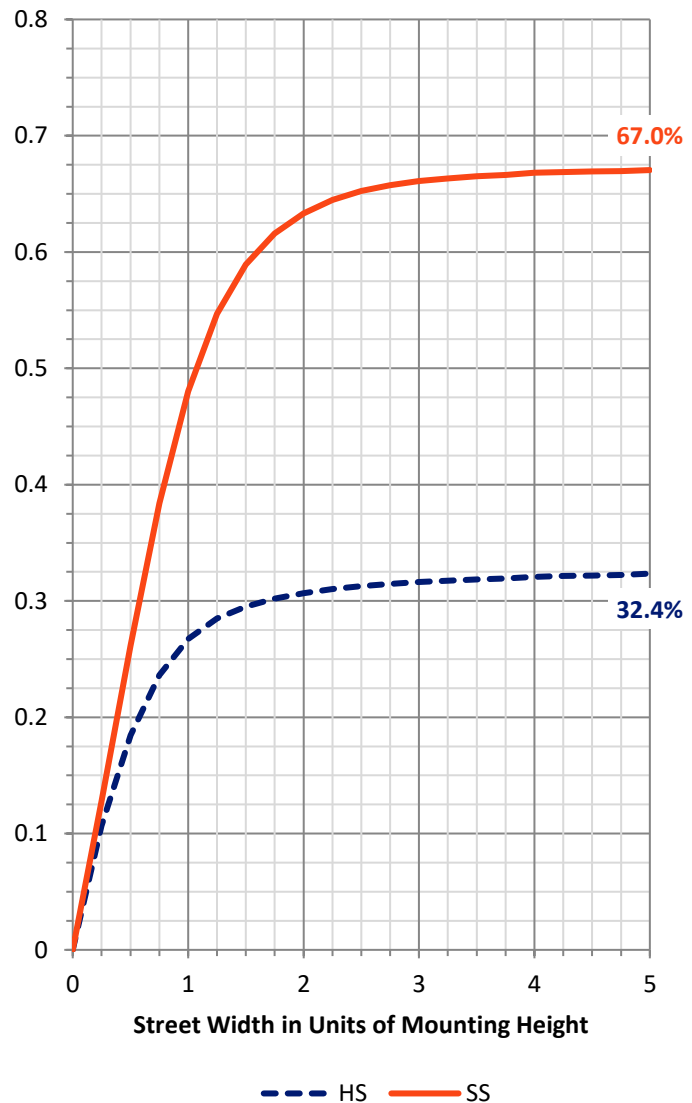
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1220.8	0.0	1220.8
	% Fixture	33.0	0.0	33.0
Street Side	Lumens	2479.5	0.0	2479.5
	% Fixture	67.0	0.0	67.0
Total	Lumens	3700.3	0.0	3700.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.1	1.9
10°-20°	211.5	5.7
20°-30°	363.9	9.8
30°-40°	522.9	14.1
40°-50°	663.2	17.9
50°-60°	728.2	19.7
60°-70°	706.2	19.1
70°-80°	389.9	10.5
80°-90°	45.2	1.2
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°	3700.3	100.0
0°-180°	3700.3	100.0



REPORT NUMBER: P1211971

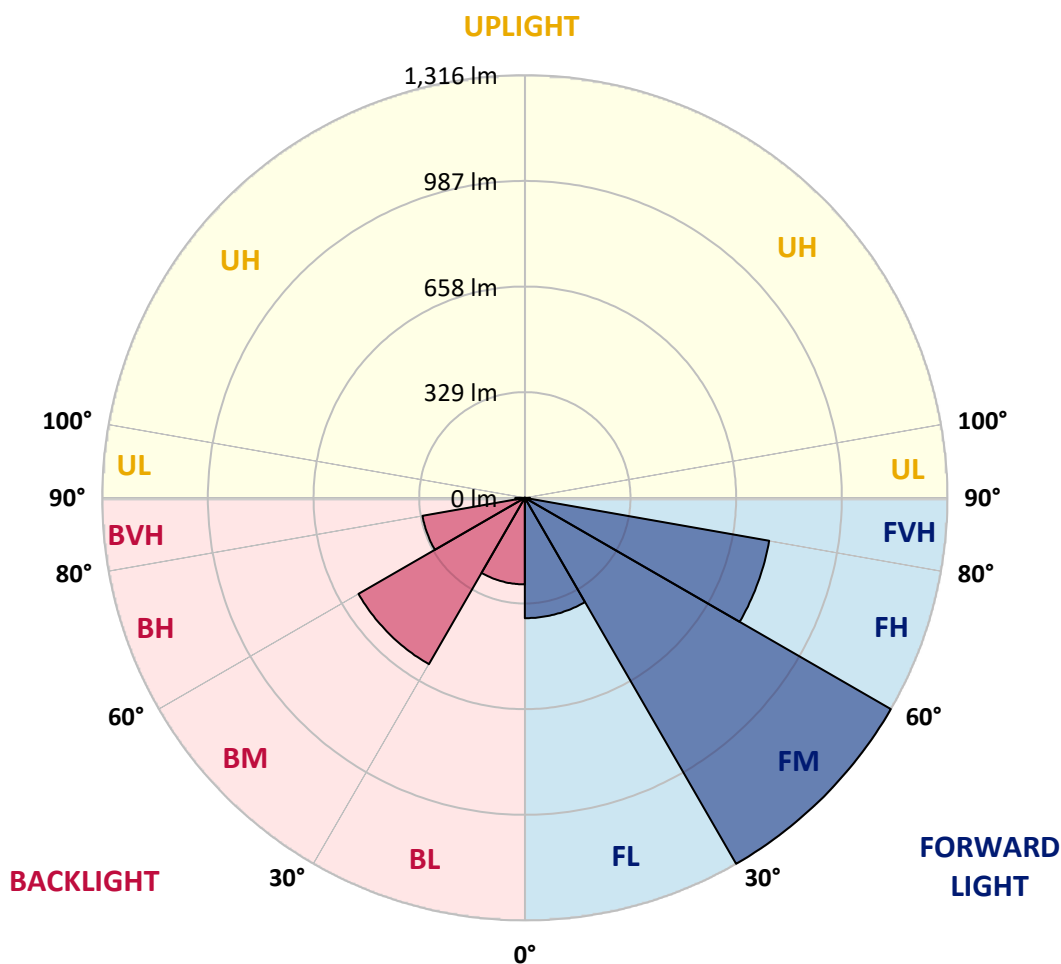
CATALOG NUMBER: GKO-PB2A-830-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	374.8	10.1			
FM	(30°-60°)	1316.1	35.6			
FH	(60°-80°)	772.6	20.9			G1/1800
FVH	(80°-90°)	16.0	0.4			G1/100
BL	(0°-30°)	269.7	7.3	B1/500		
BM	(30°-60°)	598.2	16.2	B1/1000		
BH	(60°-80°)	323.6	8.7	B1/500		G1/500
BVH	(80°-90°)	29.3	0.8			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 II Medium





REPORT NUMBER: P1211971

CATALOG NUMBER: GKO-PB2A-830-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	719.3	719.3	719.3	719.3	719.3	719.3	719.3	719.3	719.3	719.3	719.3
2.5°	740.8	740.0	739.3	739.3	736.5	733.6	730.7	728.6	722.9	722.2	719.3
5°	762.9	762.9	760.8	760.1	755.8	748.6	742.2	735.8	727.9	726.4	720.0
7.5°	791.6	791.6	788.0	785.1	778.7	767.2	755.8	744.3	732.9	731.5	721.4
10°	828.1	828.1	825.2	818.8	805.2	790.1	771.5	753.6	738.6	737.2	722.9
12.5°	866.0	866.7	862.4	853.1	836.7	813.8	790.9	765.1	745.8	743.6	725.7
15°	904.7	905.4	902.5	892.5	870.3	842.4	811.6	780.8	755.1	752.9	730.0
17.5°	942.6	944.0	941.2	929.7	903.9	873.9	836.0	797.3	766.5	763.7	737.2
20°	978.4	978.4	978.4	965.5	940.4	906.1	862.4	817.3	779.4	776.5	745.8
22.5°	1010.6	1012.0	1014.2	1007.0	978.4	940.4	893.2	839.5	795.9	792.3	756.5
25°	1042.8	1043.5	1049.2	1044.2	1016.3	976.9	926.1	867.4	815.9	812.3	769.4
27.5°	1080.0	1082.2	1085.7	1083.6	1052.1	1013.4	962.6	898.2	838.1	834.5	785.1
30°	1123.7	1123.7	1125.8	1122.2	1090.7	1052.1	999.1	930.4	866.0	860.3	804.5
32.5°	1159.5	1163.0	1161.6	1160.2	1127.2	1088.6	1036.3	966.2	898.2	891.1	830.9
35°	1193.1	1193.8	1193.1	1194.5	1161.6	1125.1	1075.7	1007.7	934.0	931.1	864.6
37.5°	1212.4	1213.8	1217.4	1221.7	1192.4	1158.0	1115.1	1053.5	978.4	973.4	904.7
40°	1221.7	1223.9	1243.2	1249.6	1218.1	1189.5	1156.6	1095.0	1021.3	1015.6	944.7
42.5°	1236.0	1253.2	1263.2	1264.7	1237.5	1212.4	1192.4	1142.3	1074.3	1069.3	998.4
45°	1188.8	1182.4	1208.8	1239.6	1238.2	1227.4	1226.7	1195.2	1139.4	1134.4	1059.3
47.5°	1129.4	1124.4	1138.7	1183.8	1216.0	1233.9	1260.4	1257.5	1218.1	1211.0	1130.1
50°	987.7	996.3	1066.4	1128.0	1183.8	1236.0	1289.0	1322.6	1294.7	1289.0	1205.3
52.5°	855.3	861.0	909.0	1055.7	1142.3	1229.6	1314.0	1391.3	1384.2	1377.7	1287.6
55°	762.2	768.0	844.5	938.3	1080.7	1196.7	1330.5	1456.5	1475.1	1468.6	1374.9
57.5°	664.9	674.2	726.4	808.8	998.4	1142.3	1336.2	1522.3	1573.8	1568.1	1458.6
60°	571.1	584.0	614.8	704.3	896.8	1077.9	1321.2	1575.3	1669.0	1669.0	1545.2
62.5°	484.5	491.7	523.9	604.8	768.0	995.6	1283.3	1608.9	1756.4	1752.8	1621.1
65°	413.0	416.5	442.3	511.7	659.9	904.7	1217.4	1606.8	1818.6	1819.3	1671.2
67°	348.6	354.3	382.9	445.9	577.6	818.8	1141.6	1574.6	1840.8	1842.2	1683.4
67.5°	326.4	332.8	364.3	429.4	560.4	795.2	1123.7	1561.0	1839.4	1842.2	1679.8
70°	224.7	226.2	279.1	353.6	460.9	669.9	999.8	1466.5	1785.0	1782.8	1601.8
72.5°	143.1	141.0	191.8	258.4	370.7	542.5	843.8	1301.2	1619.7	1617.5	1412.1
75°	95.2	97.3	129.5	184.7	260.5	419.4	657.7	982.0	1125.1	1116.5	931.9
77.5°	68.0	66.6	80.2	133.1	174.6	254.8	357.1	522.5	597.6	597.6	511.7
80°	37.2	37.9	43.7	73.7	98.8	99.5	133.8	262.0	292.0	298.5	248.4
82.5°	10.7	11.5	15.7	25.0	27.2	30.1	46.5	75.1	78.7	83.0	67.3
85°	0.0	0.0	0.0	0.7	2.9	3.6	3.6	4.3	7.2	7.2	7.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.4	2.9	2.9	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1211971

CATALOG NUMBER: GKO-PB2A-830-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	719.3	719.3	719.3	719.3	719.3	719.3	719.3	719.3	719.3	719.3	719.3
2.5°	718.6	719.3	716.4	712.8	710.0	708.6	704.3	700.7	702.8	705.0	705.0
5°	717.9	717.1	711.4	705.0	700.7	697.8	690.7	685.7	686.4	688.5	687.8
7.5°	717.9	715.0	707.1	697.8	690.7	684.9	675.6	669.9	669.2	670.6	669.2
10°	718.6	713.6	702.8	689.9	679.9	671.3	659.9	653.4	651.3	652.0	650.6
12.5°	720.0	712.1	698.5	682.1	669.2	657.7	644.9	637.0	635.6	637.0	637.0
15°	722.2	712.1	695.0	674.9	657.7	644.9	632.0	624.8	624.8	625.5	625.5
17.5°	726.4	714.3	692.1	667.0	646.3	632.0	620.5	615.5	616.2	618.4	618.4
20°	730.7	717.1	689.2	659.2	636.3	619.8	610.5	606.9	609.8	612.6	612.6
22.5°	737.2	720.7	686.4	652.0	624.8	608.4	600.5	597.6	600.5	604.1	602.6
25°	747.2	727.2	684.2	645.6	614.1	596.2	588.3	585.5	586.9	589.7	589.7
27.5°	758.7	735.0	683.5	637.7	601.2	581.9	572.6	568.3	568.3	569.0	569.7
30°	778.0	748.6	686.4	632.0	589.7	566.8	554.7	548.2	547.5	550.4	550.4
32.5°	800.9	767.2	693.5	627.0	578.3	549.0	532.5	527.5	526.0	528.2	526.0
35°	826.6	788.0	702.8	626.2	566.8	529.6	511.0	505.3	501.0	499.6	498.1
37.5°	863.1	816.6	712.1	622.7	555.4	508.9	488.8	476.7	471.7	470.2	470.2
40°	898.9	844.5	723.6	616.9	541.8	488.1	459.5	445.9	443.7	443.7	443.7
42.5°	944.0	881.0	739.3	613.4	525.3	467.4	428.0	412.2	412.2	412.2	411.5
45°	999.8	929.0	759.4	611.9	509.6	442.3	394.4	373.6	372.9	372.2	371.5
47.5°	1065.0	979.1	778.7	608.4	491.0	412.2	355.7	332.8	327.8	326.4	324.2
50°	1132.3	1033.5	799.4	603.3	468.8	377.2	319.2	292.7	282.0	278.4	279.8
52.5°	1203.8	1086.4	819.5	596.2	442.3	342.1	282.0	254.1	243.3	239.0	238.3
55°	1274.0	1140.1	838.1	586.9	413.7	306.3	250.5	223.3	214.0	212.6	212.6
57.5°	1344.8	1191.7	852.4	573.3	382.2	274.8	223.3	201.1	194.7	197.5	197.5
60°	1409.2	1236.7	859.6	554.7	350.7	246.2	201.8	185.4	182.5	189.7	188.9
62.5°	1467.2	1266.8	856.0	527.5	319.9	221.9	185.4	173.2	173.9	182.5	183.2
65°	1495.1	1271.8	835.2	490.3	285.6	201.1	168.2	156.7	158.2	167.5	169.6
67°	1488.7	1252.5	800.9	448.0	257.7	185.4	157.5	146.0	146.7	154.6	155.3
67.5°	1481.5	1243.2	791.6	435.2	250.5	182.5	154.6	143.9	145.3	152.4	152.4
70°	1386.3	1148.7	705.7	369.3	216.9	162.5	141.0	133.8	135.3	139.6	139.6
72.5°	1211.7	994.8	571.1	296.3	183.9	143.9	127.4	123.1	123.1	123.1	119.5
75°	773.0	623.4	373.6	226.9	151.7	123.1	114.5	109.5	106.6	110.9	109.5
77.5°	427.3	325.6	194.7	130.3	109.5	102.3	99.5	97.3	96.6	106.6	103.8
80°	202.5	161.0	109.5	74.4	63.0	75.9	85.9	84.5	100.9	138.1	138.8
82.5°	64.4	53.0	44.4	40.8	42.2	54.4	66.6	76.6	131.0	148.2	146.0
85°	7.9	7.2	5.0	16.5	27.9	40.1	51.5	99.5	120.2	100.2	94.5
87.5°	2.9	2.9	2.9	11.5	21.5	30.8	46.5	100.2	73.7	67.3	61.6
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)