

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: P1211901

Luminaire Tested: **GKO-PB2A-827-U-T2R**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211901
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2A-827-U-T2R
Description: GEKKO WALL PACK 4000LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (20) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

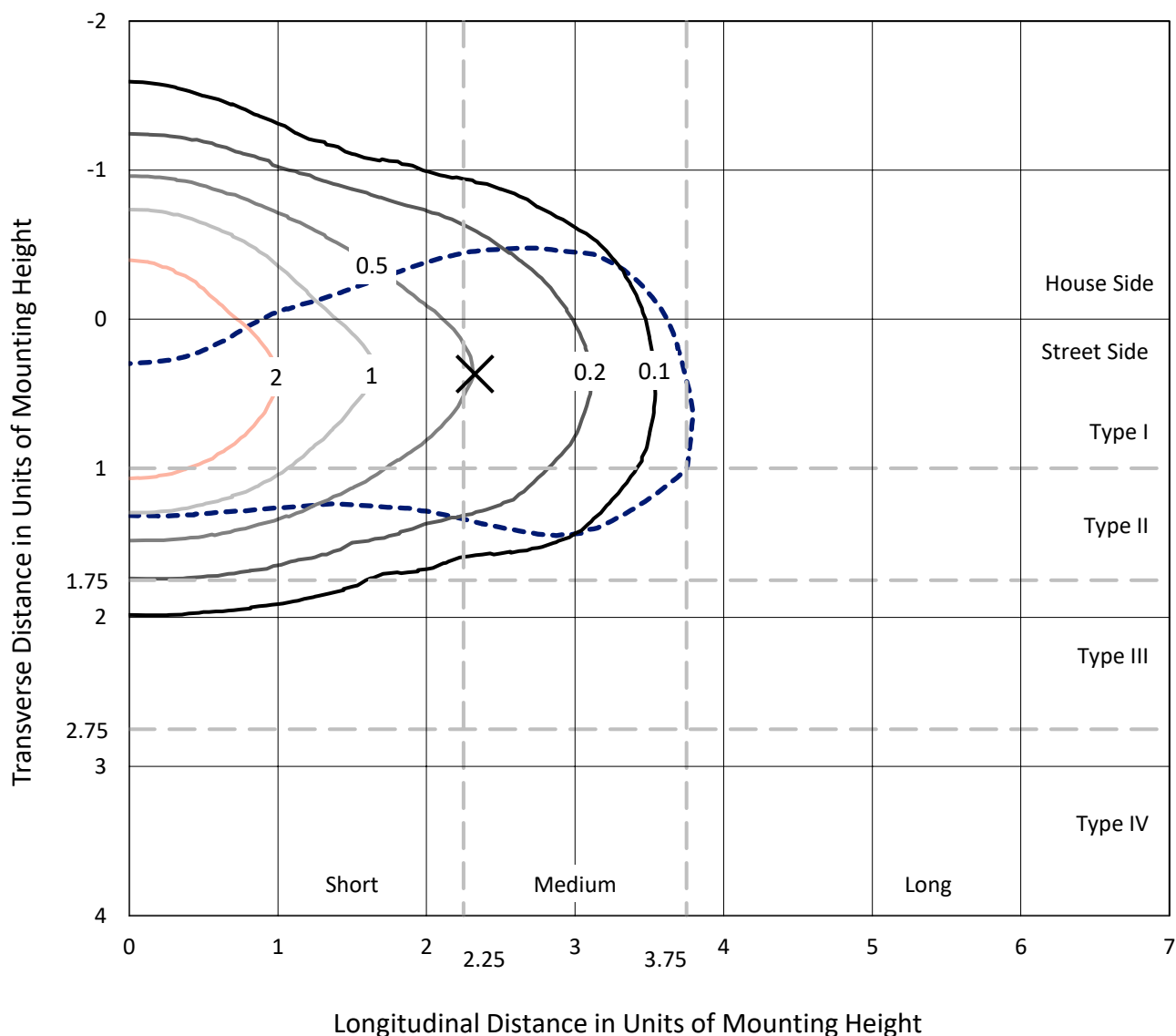
Lumens per Lamp: N/A
Luminaire Lumens: 3599.6 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

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

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Iso-Footcandle Lines of Horizontal Illumination

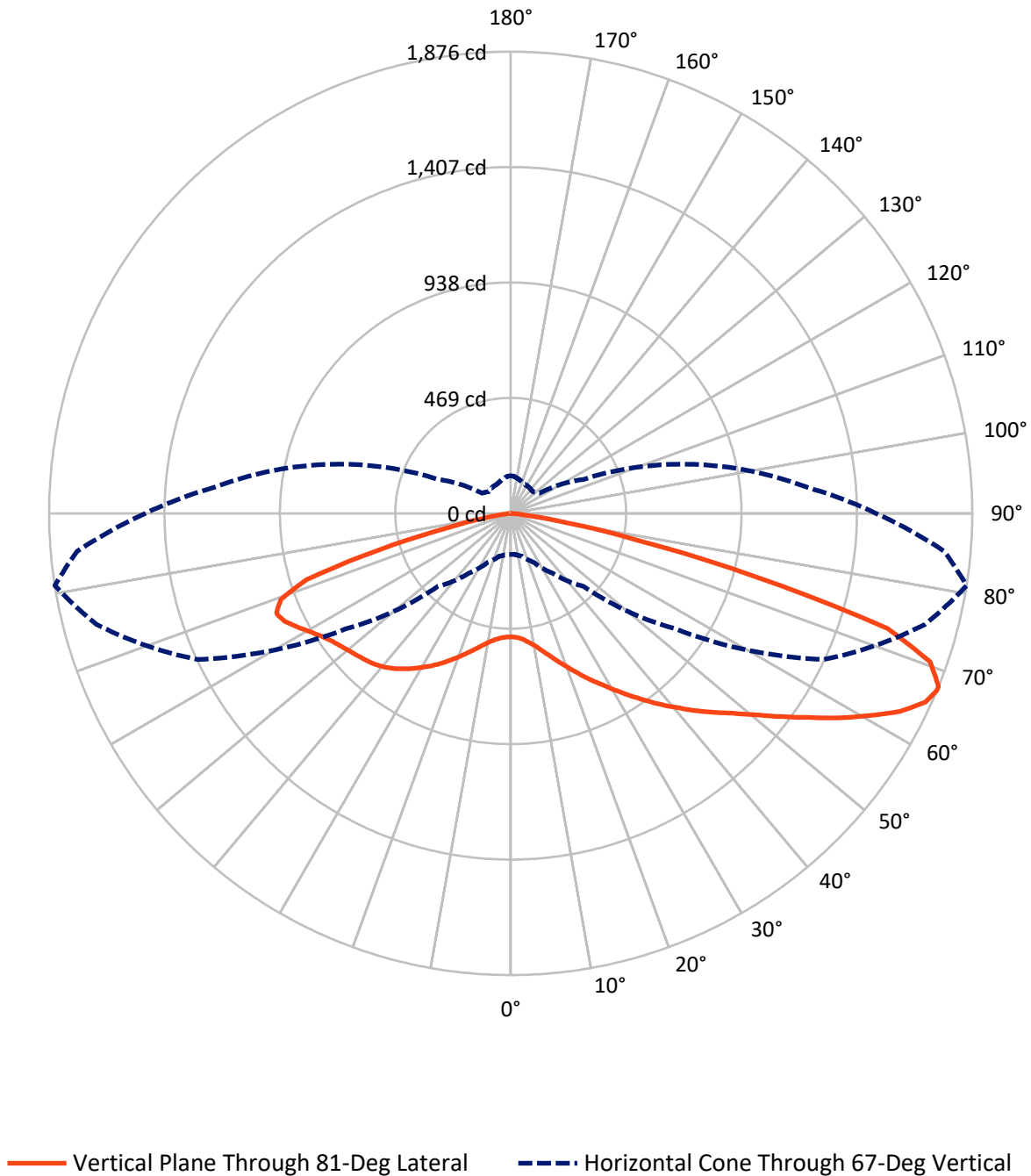
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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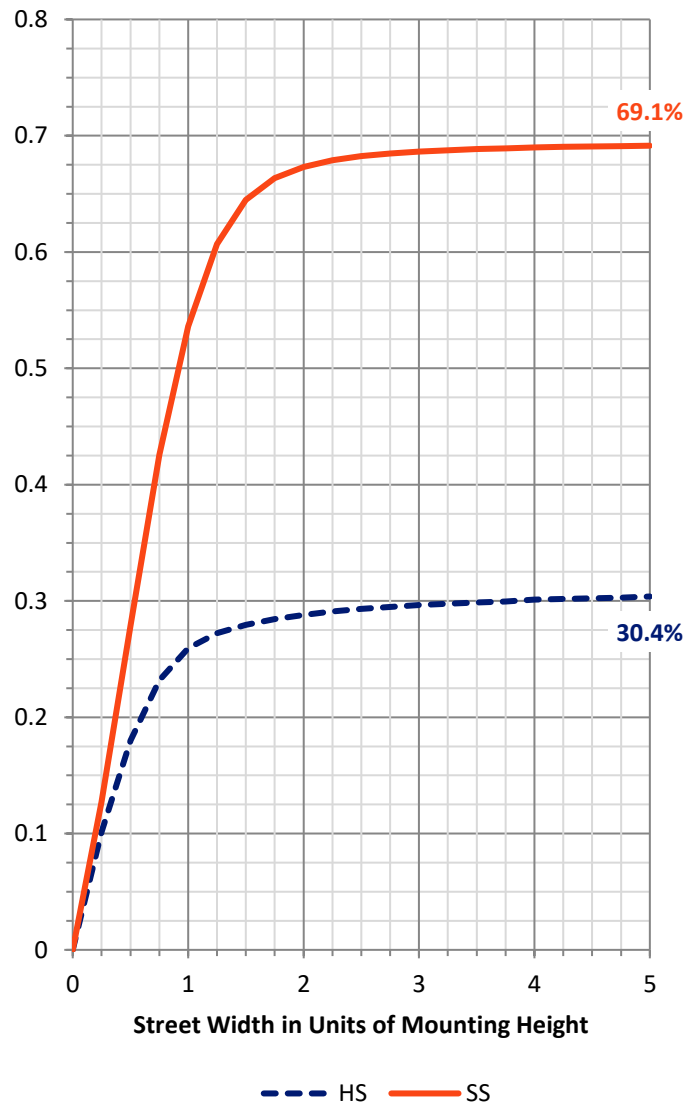
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1111.5	0.0	1111.5
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	2488.1	0.0	2488.1
	% Fixture	69.1	0.0	69.1
Total	Lumens	3599.6	0.0	3599.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.9	1.4
10°-20°	188.0	5.2
20°-30°	380.9	10.6
30°-40°	600.5	16.7
40°-50°	737.5	20.5
50°-60°	704.6	19.6
60°-70°	590.9	16.4
70°-80°	313.0	8.7
80°-90°	32.3	0.9
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°	3599.6	100.0
0°-180°	3599.6	100.0

Coefficient of Utilization



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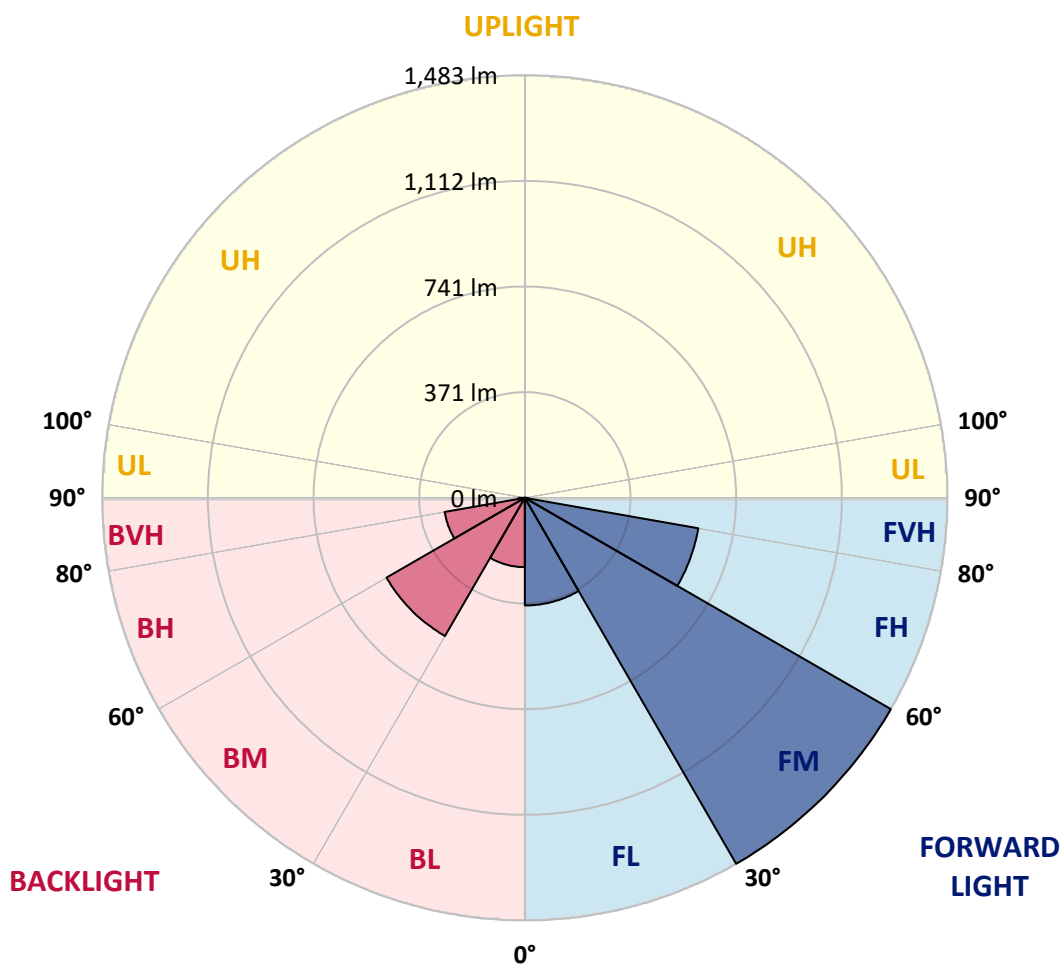
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	377.6	10.5			
FM	(30°-60°)	1482.5	41.2			
FH	(60°-80°)	617.9	17.2			G0/660
FVH	(80°-90°)	10.0	0.3			G1/100
BL	(0°-30°)	243.2	6.8	B1/500		
BM	(30°-60°)	560.1	15.6	B1/1000		
BH	(60°-80°)	285.9	7.9	B1/500		G1/500
BVH	(80°-90°)	22.3	0.6			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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4
2.5°	530.3	531.7	529.0	528.3	525.5	521.4	516.6	513.1	507.6	504.9	503.5
5°	580.6	577.9	575.8	572.4	562.7	554.5	540.7	531.0	520.7	513.8	511.8
7.5°	641.9	643.3	636.4	627.5	613.7	597.2	575.1	557.2	537.9	529.0	524.8
10°	708.7	714.2	707.4	696.3	670.2	645.4	618.5	587.5	561.3	547.6	542.1
12.5°	790.0	793.5	784.5	770.0	738.4	701.2	663.3	624.7	590.3	573.1	563.4
15°	880.9	878.2	869.2	847.9	807.2	765.9	714.2	664.0	623.3	602.0	588.2
17.5°	974.6	971.2	959.4	931.9	885.7	834.1	772.8	709.4	658.5	635.0	616.4
20°	1064.1	1060.7	1052.4	1021.4	965.6	902.3	830.6	761.8	698.4	669.5	648.8
22.5°	1163.3	1160.6	1147.5	1109.6	1049.7	980.1	896.8	814.8	741.8	707.4	682.6
25°	1270.8	1271.5	1257.0	1204.0	1136.5	1055.2	967.7	874.7	790.7	747.3	719.1
27.5°	1396.1	1395.4	1370.6	1313.5	1228.8	1135.1	1038.0	937.4	838.9	787.9	755.6
30°	1509.8	1507.0	1479.5	1422.3	1324.5	1219.1	1112.4	998.0	893.3	832.7	793.5
32.5°	1593.8	1594.5	1571.8	1509.1	1413.3	1301.1	1181.9	1066.2	945.7	880.9	837.5
35°	1654.4	1655.1	1633.1	1579.3	1489.8	1377.5	1255.6	1130.3	1004.2	930.5	883.7
37.5°	1673.7	1673.7	1659.2	1617.2	1544.2	1446.4	1327.9	1203.3	1062.8	984.2	930.5
40°	1647.5	1649.6	1648.9	1621.3	1571.1	1493.9	1394.7	1273.5	1128.2	1037.3	978.0
42.5°	1588.3	1589.7	1591.7	1581.4	1565.6	1519.4	1448.5	1345.2	1193.6	1095.1	1024.9
45°	1490.5	1496.0	1506.3	1510.5	1516.7	1513.2	1481.5	1412.0	1266.6	1153.0	1071.0
47.5°	1366.5	1375.5	1389.2	1414.0	1448.5	1476.0	1489.8	1463.6	1337.6	1212.9	1122.7
50°	1194.3	1204.0	1241.2	1292.8	1361.0	1414.7	1467.1	1502.2	1416.8	1285.9	1180.5
52.5°	956.0	976.7	1039.3	1138.5	1255.6	1335.5	1418.9	1520.8	1497.4	1372.0	1249.4
55°	727.3	734.9	815.5	934.7	1115.1	1250.1	1352.7	1511.1	1573.1	1462.2	1327.9
57.5°	508.3	516.6	586.8	717.0	916.7	1138.5	1286.6	1478.8	1642.0	1568.3	1418.2
60°	360.9	369.9	422.2	518.6	712.2	976.0	1225.3	1437.4	1701.9	1668.9	1522.2
62.5°	262.4	267.2	294.8	376.1	514.5	763.2	1137.8	1410.6	1743.9	1773.6	1628.9
65°	201.1	205.9	221.8	272.8	380.2	557.9	980.8	1409.9	1755.0	1850.7	1721.2
67°	167.4	166.7	180.5	219.0	296.9	419.5	818.9	1404.4	1742.6	1875.5	1768.1
67.5°	158.4	161.2	172.2	204.6	280.3	386.4	783.8	1395.4	1738.4	1874.8	1771.5
70°	126.0	126.7	136.4	161.9	210.8	280.3	564.1	1307.3	1675.8	1807.3	1732.9
72.5°	92.3	91.6	106.1	122.6	161.2	203.9	378.1	1097.9	1540.1	1601.4	1540.8
75°	68.2	67.5	75.1	93.7	115.0	152.2	245.2	716.3	1042.8	1018.7	940.9
77.5°	45.5	46.8	53.7	68.9	82.0	94.4	122.6	329.9	574.4	519.3	500.0
80°	27.6	25.5	30.3	39.3	47.5	48.2	52.3	142.6	246.6	234.9	220.4
82.5°	9.6	9.6	11.7	15.8	15.8	15.8	19.3	34.4	48.9	44.8	42.7
85°	0.0	0.0	0.0	0.0	1.4	2.1	1.4	2.8	4.8	5.5	5.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.4	2.1	2.8	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°	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4	501.4
2.5°	503.5	503.5	501.4	498.7	497.3	496.6	494.5	491.8	493.8	495.9	495.9
5°	510.4	509.0	504.9	502.1	500.0	500.0	497.3	496.6	498.7	500.7	500.0
7.5°	521.4	518.6	513.8	509.7	510.4	511.1	506.9	506.9	509.0	511.1	511.1
10°	536.5	531.7	526.9	523.5	524.1	524.8	520.7	519.3	521.4	523.5	524.8
12.5°	555.8	549.6	544.1	540.7	540.0	540.7	536.5	535.2	535.2	536.5	536.5
15°	578.6	571.7	564.8	560.0	558.6	557.9	552.4	547.6	547.6	548.3	548.3
17.5°	604.7	595.1	586.1	580.6	577.2	572.4	566.2	559.3	557.2	557.9	557.9
20°	630.9	620.6	608.9	601.3	594.4	586.1	576.5	567.5	563.4	563.4	562.7
22.5°	661.2	647.4	631.6	621.3	608.9	595.1	581.3	569.6	565.5	564.1	564.1
25°	692.2	676.4	653.6	637.8	619.9	599.9	582.0	566.2	559.3	556.5	556.5
27.5°	723.9	705.3	675.7	652.9	626.8	599.2	575.1	555.1	545.5	542.1	540.7
30°	759.7	732.8	695.0	664.0	628.2	593.0	562.0	538.6	524.1	515.9	516.6
32.5°	796.9	763.2	712.9	670.9	626.1	581.3	542.1	512.4	493.8	486.3	483.5
35°	834.8	792.1	728.7	674.3	619.2	563.4	516.6	483.5	462.8	451.8	451.8
37.5°	873.4	822.4	739.7	673.6	606.8	540.0	487.0	451.8	427.7	413.9	410.5
40°	911.2	850.6	748.0	668.1	588.2	511.8	455.3	417.4	385.0	367.1	364.4
42.5°	948.4	874.0	752.1	659.1	566.2	480.8	419.5	368.5	337.5	321.0	320.3
45°	982.2	892.6	752.8	647.4	537.2	445.6	371.2	322.3	291.3	274.1	274.1
47.5°	1015.2	913.3	752.1	632.3	505.6	400.2	320.3	272.8	244.5	233.5	230.0
50°	1055.2	934.0	751.4	613.7	464.9	345.8	270.7	230.0	205.9	194.9	194.9
52.5°	1095.8	958.1	752.8	587.5	416.7	292.7	226.6	190.8	174.9	168.1	167.4
55°	1148.2	983.6	756.3	556.5	366.4	241.1	188.7	164.6	153.6	150.2	150.8
57.5°	1211.5	1018.7	763.2	520.0	307.9	197.7	161.9	148.8	146.0	147.4	148.1
60°	1283.9	1062.1	772.8	478.7	256.2	164.6	146.0	143.3	146.0	151.5	152.2
62.5°	1367.9	1114.4	785.2	432.5	205.3	144.6	139.1	141.2	143.3	152.2	152.9
65°	1442.3	1170.9	787.9	378.1	166.7	131.6	135.0	136.4	141.9	152.2	152.9
67°	1484.3	1209.5	769.3	326.5	142.6	124.7	129.5	130.9	140.5	150.8	152.2
67.5°	1489.1	1217.7	757.0	313.4	137.8	123.3	128.1	130.9	140.5	150.8	151.5
70°	1474.6	1212.2	674.3	236.2	113.6	113.6	119.2	125.4	135.0	146.0	150.8
72.5°	1345.8	1105.5	522.1	160.5	96.4	102.6	110.9	119.8	128.8	141.9	150.2
75°	850.6	711.5	319.6	107.4	80.6	91.6	104.7	115.0	122.6	132.2	137.8
77.5°	454.6	352.0	137.8	63.4	63.4	81.3	97.1	106.8	110.9	114.3	117.8
80°	214.9	163.9	66.8	37.9	44.1	63.4	86.1	96.4	97.8	101.9	103.3
82.5°	42.7	37.2	22.0	20.0	28.9	45.5	71.6	83.3	84.0	90.9	92.3
85°	5.5	4.8	3.4	7.6	18.6	33.7	55.1	71.6	73.0	73.0	71.6
87.5°	2.8	2.1	2.1	5.5	13.8	25.5	45.5	59.9	60.6	47.5	46.1
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)