

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: P1211953

Luminaire Tested: **GKO-PB1D-827-U-T2U**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211953
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1D-827-U-T2U
Description: GEKKO WALL PACK 3500LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source: (10) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

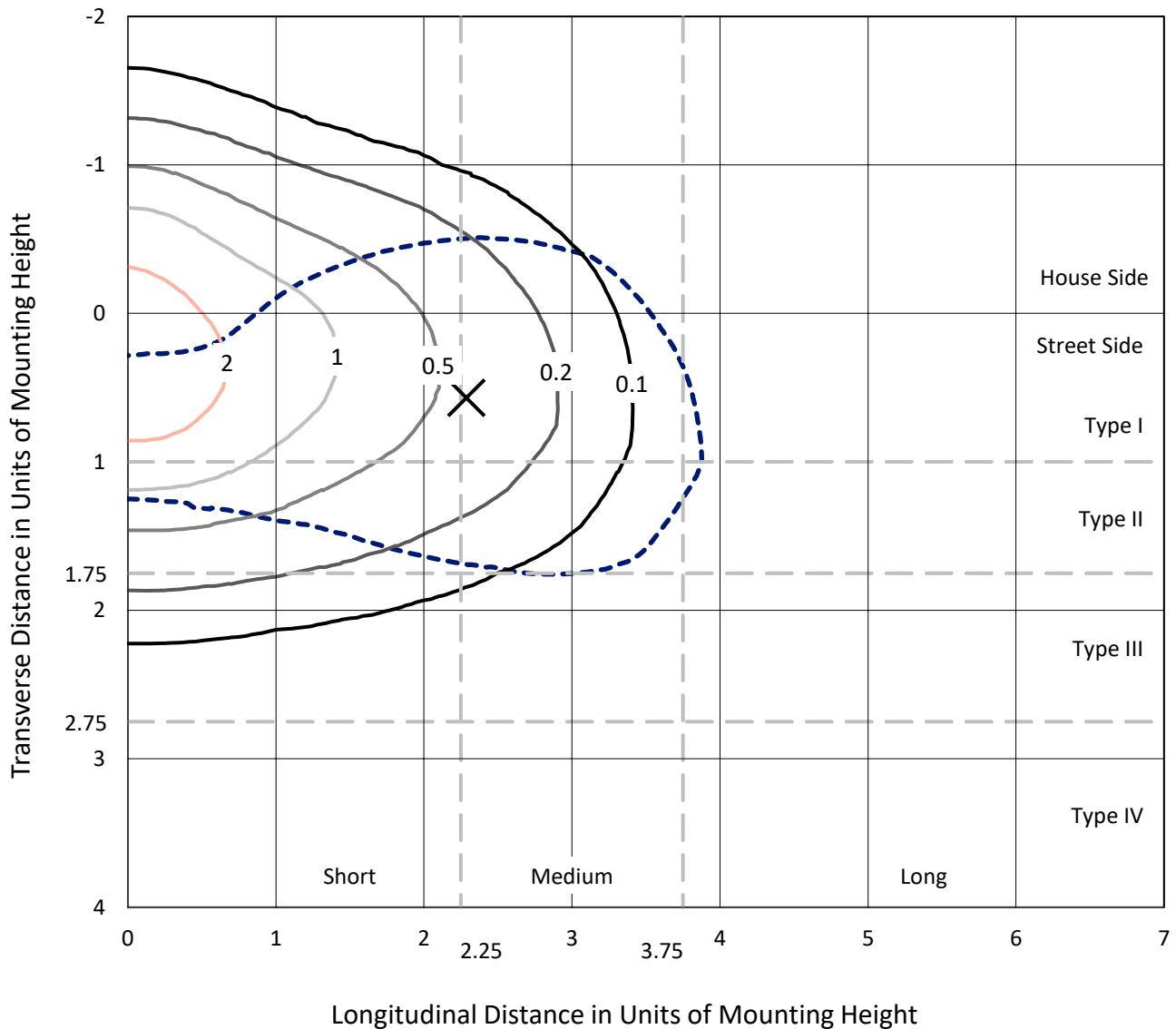
Lumens per Lamp: N/A
Luminaire Lumens: 3100 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi):
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

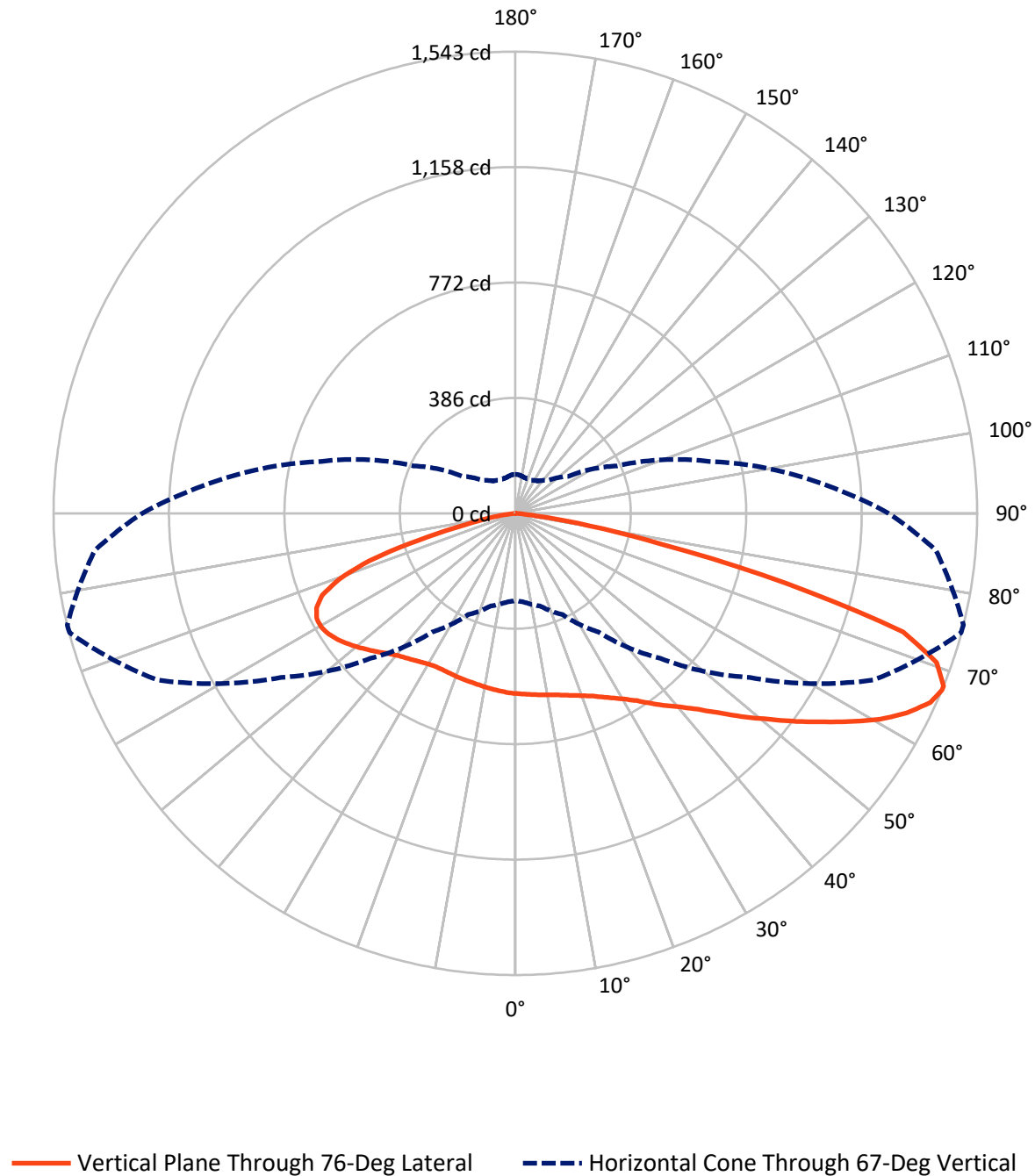
✕ Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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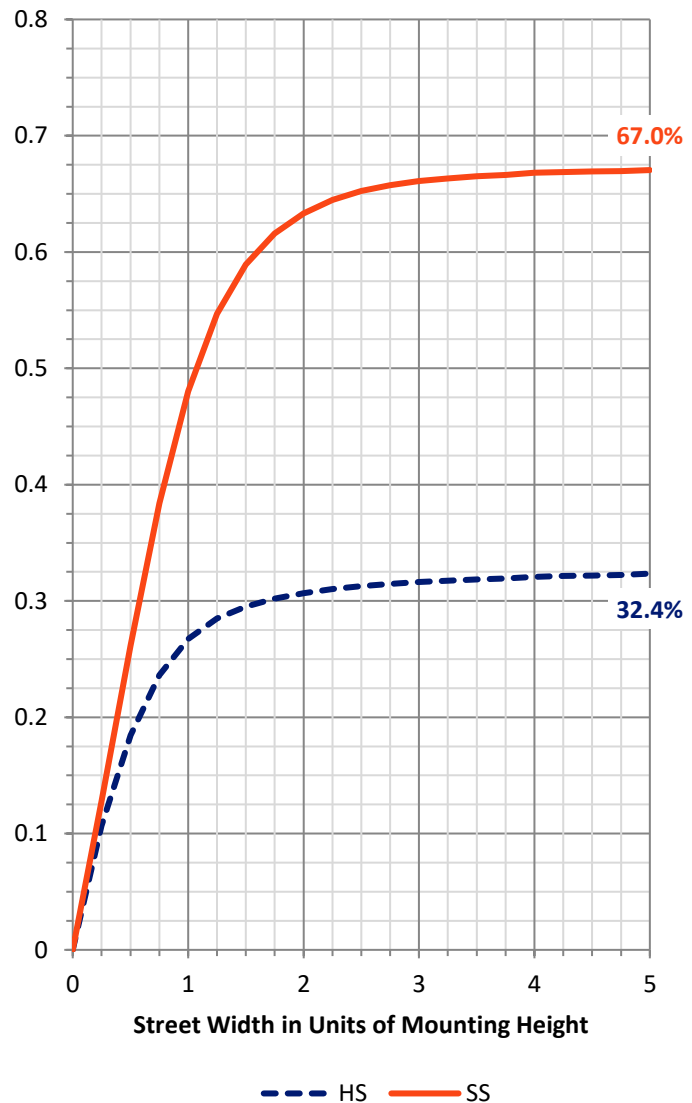
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1022.7	0.0	1022.7
	% Fixture	33.0	0.0	33.0
Street Side	Lumens	2077.3	0.0	2077.3
	% Fixture	67.0	0.0	67.0
Total	Lumens	3100.0	0.0	3100.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.9	1.9
10°-20°	177.2	5.7
20°-30°	304.9	9.8
30°-40°	438.1	14.1
40°-50°	555.6	17.9
50°-60°	610.1	19.7
60°-70°	591.7	19.1
70°-80°	326.7	10.5
80°-90°	37.9	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°	3100.0	100.0
0°-180°	3100.0	100.0

Coefficient of Utilization



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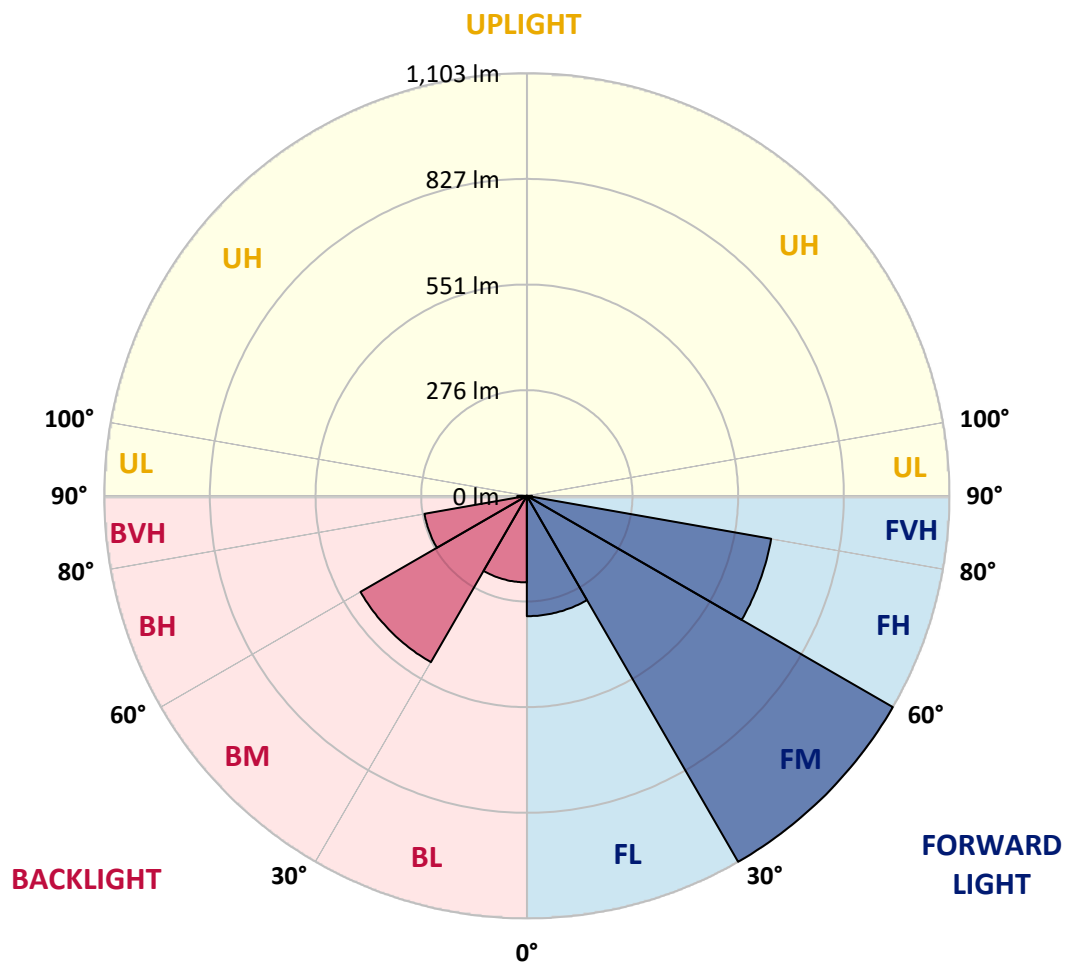
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	314.0	10.1			
FM	(30°-60°)	1102.6	35.6			
FH	(60°-80°)	647.2	20.9			G0/660
FVH	(80°-90°)	13.4	0.4			G1/100
BL	(0°-30°)	226.0	7.3	B1/500		
BM	(30°-60°)	501.2	16.2	B1/1000		
BH	(60°-80°)	271.1	8.7	B1/500		G1/500
BVH	(80°-90°)	24.5	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6
2.5°	620.6	620.0	619.4	619.4	617.0	614.6	612.2	610.4	605.6	605.0	602.6
5°	639.2	639.2	637.4	636.8	633.2	627.2	621.8	616.4	609.8	608.6	603.2
7.5°	663.2	663.2	660.2	657.8	652.4	642.8	633.2	623.6	614.0	612.8	604.4
10°	693.7	693.7	691.3	685.9	674.6	662.0	646.4	631.4	618.8	617.6	605.6
12.5°	725.5	726.1	722.5	714.7	700.9	681.8	662.6	641.0	624.8	623.0	608.0
15°	757.9	758.5	756.1	747.7	729.1	705.7	680.0	654.2	632.6	630.8	611.6
17.5°	789.7	790.9	788.5	778.9	757.3	732.1	700.3	668.0	642.2	639.8	617.6
20°	819.7	819.7	819.7	808.9	787.9	759.1	722.5	684.8	653.0	650.6	624.8
22.5°	846.6	847.8	849.6	843.6	819.7	787.9	748.3	703.3	666.8	663.8	633.8
25°	873.6	874.2	879.0	874.8	851.4	818.5	775.9	726.7	683.6	680.6	644.6
27.5°	904.8	906.6	909.6	907.8	881.4	849.0	806.5	752.5	702.1	699.1	657.8
30°	941.4	941.4	943.2	940.2	913.8	881.4	837.1	779.5	725.5	720.7	674.0
32.5°	971.4	974.4	973.2	972.0	944.4	912.0	868.2	809.5	752.5	746.5	696.1
35°	999.5	1000.1	999.5	1000.7	973.2	942.6	901.2	844.2	782.5	780.1	724.3
37.5°	1015.7	1016.9	1019.9	1023.5	998.9	970.2	934.2	882.6	819.7	815.5	757.9
40°	1023.5	1025.3	1041.5	1046.9	1020.5	996.5	969.0	917.4	855.6	850.8	791.5
42.5°	1035.5	1049.9	1058.3	1059.5	1036.7	1015.7	998.9	957.0	900.0	895.8	836.5
45°	995.9	990.5	1012.7	1038.5	1037.3	1028.3	1027.7	1001.3	954.6	950.4	887.4
47.5°	946.2	942.0	954.0	991.7	1018.7	1033.7	1055.9	1053.5	1020.5	1014.5	946.8
50°	827.5	834.7	893.4	945.0	991.7	1035.5	1079.9	1108.1	1084.7	1079.9	1009.7
52.5°	716.5	721.3	761.5	884.4	957.0	1030.1	1100.9	1165.6	1159.6	1154.2	1078.7
55°	638.6	643.4	707.5	786.1	905.4	1002.5	1114.7	1220.2	1235.8	1230.4	1151.8
57.5°	557.0	564.8	608.6	677.6	836.5	957.0	1119.5	1275.4	1318.5	1313.7	1222.0
60°	478.5	489.3	515.1	590.0	751.3	903.0	1106.9	1319.7	1398.3	1398.3	1294.6
62.5°	405.9	411.9	438.9	506.7	643.4	834.1	1075.1	1347.9	1471.4	1468.4	1358.1
65°	346.0	349.0	370.6	428.7	552.8	757.9	1019.9	1346.1	1523.6	1524.2	1400.1
67°	292.0	296.8	320.8	373.6	483.9	685.9	956.4	1319.1	1542.2	1543.4	1410.3
67.5°	273.4	278.8	305.2	359.8	469.5	666.2	941.4	1307.7	1541.0	1543.4	1407.3
70°	188.3	189.5	233.8	296.2	386.1	561.2	837.7	1228.6	1495.4	1493.6	1341.9
72.5°	119.9	118.1	160.7	216.5	310.6	454.5	706.9	1090.1	1356.9	1355.1	1183.0
75°	79.7	81.5	108.5	154.7	218.3	351.4	551.0	822.7	942.6	935.4	780.7
77.5°	57.0	55.8	67.2	111.5	146.3	213.5	299.2	437.7	500.7	500.7	428.7
80°	31.2	31.8	36.6	61.8	82.7	83.3	112.1	219.5	244.6	250.0	208.1
82.5°	9.0	9.6	13.2	21.0	22.8	25.2	39.0	63.0	66.0	69.6	56.4
85°	0.0	0.0	0.0	0.6	2.4	3.0	3.0	3.6	6.0	6.0	6.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.2	2.4	2.4	3.0
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°	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6	602.6
2.5°	602.0	602.6	600.2	597.2	594.8	593.6	590.0	587.0	588.8	590.6	590.6
5°	601.4	600.8	596.0	590.6	587.0	584.6	578.6	574.4	575.0	576.8	576.2
7.5°	601.4	599.0	592.4	584.6	578.6	573.8	566.0	561.2	560.6	561.8	560.6
10°	602.0	597.8	588.8	578.0	569.6	562.4	552.8	547.4	545.6	546.2	545.0
12.5°	603.2	596.6	585.2	571.4	560.6	551.0	540.2	533.6	532.5	533.6	533.6
15°	605.0	596.6	582.2	565.4	551.0	540.2	529.5	523.5	523.5	524.1	524.1
17.5°	608.6	598.4	579.8	558.8	541.4	529.5	519.9	515.7	516.3	518.1	518.1
20°	612.2	600.8	577.4	552.2	533.1	519.3	511.5	508.5	510.9	513.3	513.3
22.5°	617.6	603.8	575.0	546.2	523.5	509.7	503.1	500.7	503.1	506.1	504.9
25°	626.0	609.2	573.2	540.8	514.5	499.5	492.9	490.5	491.7	494.1	494.1
27.5°	635.6	615.8	572.6	534.2	503.7	487.5	479.7	476.1	476.1	476.7	477.3
30°	651.8	627.2	575.0	529.5	494.1	474.9	464.7	459.3	458.7	461.1	461.1
32.5°	671.0	642.8	581.0	525.3	484.5	459.9	446.1	441.9	440.7	442.5	440.7
35°	692.5	660.2	588.8	524.7	474.9	443.7	428.1	423.3	419.7	418.5	417.3
37.5°	723.1	684.2	596.6	521.7	465.3	426.3	409.5	399.3	395.1	393.9	393.9
40°	753.1	707.5	606.2	516.9	453.9	408.9	384.9	373.6	371.8	371.8	371.8
42.5°	790.9	738.1	619.4	513.9	440.1	391.5	358.6	345.4	345.4	345.4	344.8
45°	837.7	778.3	636.2	512.7	426.9	370.6	330.4	313.0	312.4	311.8	311.2
47.5°	892.2	820.3	652.4	509.7	411.3	345.4	298.0	278.8	274.6	273.4	271.6
50°	948.6	865.8	669.8	505.5	392.7	316.0	267.4	245.2	236.2	233.2	234.4
52.5°	1008.5	910.2	686.5	499.5	370.6	286.6	236.2	212.9	203.9	200.3	199.7
55°	1067.3	955.2	702.1	491.7	346.6	256.6	209.9	187.1	179.3	178.1	178.1
57.5°	1126.7	998.3	714.1	480.3	320.2	230.2	187.1	168.5	163.1	165.5	165.5
60°	1180.6	1036.1	720.1	464.7	293.8	206.3	169.1	155.3	152.9	158.9	158.3
62.5°	1229.2	1061.3	717.1	441.9	268.0	185.9	155.3	145.1	145.7	152.9	153.5
65°	1252.6	1065.5	699.7	410.7	239.2	168.5	140.9	131.3	132.5	140.3	142.1
67°	1247.2	1049.3	671.0	375.4	215.9	155.3	131.9	122.3	122.9	129.5	130.1
67.5°	1241.2	1041.5	663.2	364.6	209.9	152.9	129.5	120.5	121.7	127.7	127.7
70°	1161.4	962.4	591.2	309.4	181.7	136.1	118.1	112.1	113.3	116.9	116.9
72.5°	1015.1	833.5	478.5	248.2	154.1	120.5	106.7	103.1	103.1	103.1	100.1
75°	647.6	522.3	313.0	190.1	127.1	103.1	95.9	91.7	89.3	92.9	91.7
77.5°	358.0	272.8	163.1	109.1	91.7	85.7	83.3	81.5	80.9	89.3	86.9
80°	169.7	134.9	91.7	62.4	52.8	63.6	72.0	70.8	84.5	115.7	116.3
82.5°	54.0	44.4	37.2	34.2	35.4	45.6	55.8	64.2	109.7	124.1	122.3
85°	6.6	6.0	4.2	13.8	23.4	33.6	43.2	83.3	100.7	83.9	79.1
87.5°	2.4	2.4	2.4	9.6	18.0	25.8	39.0	83.9	61.8	56.4	51.6
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)