

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: P1211893

Luminaire Tested: **GKO-PB1D-827-U-T2R**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211893
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-T2R
Description: GEKKO WALL PACK 3500LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (10) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

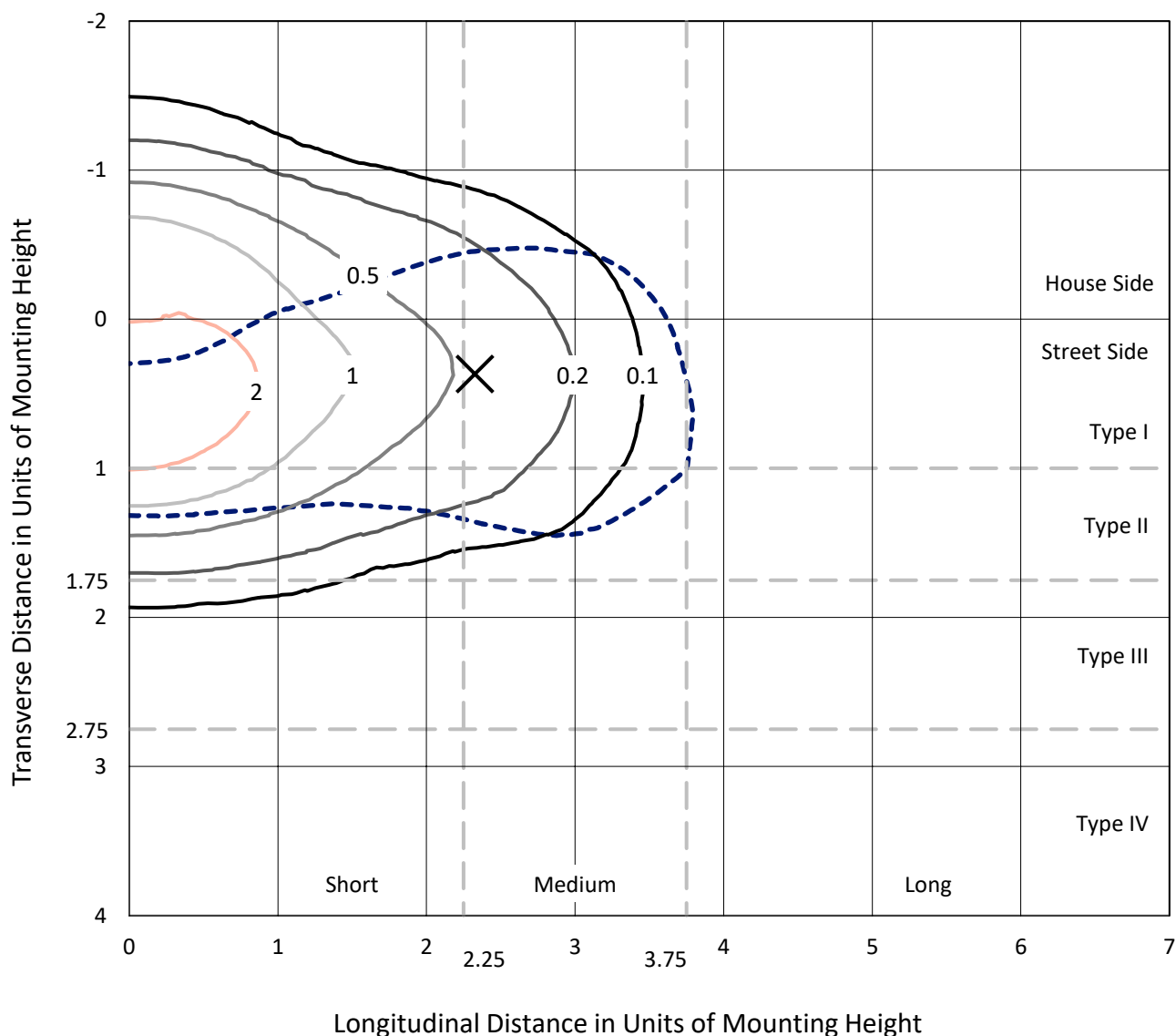
Lumens per Lamp: N/A
Luminaire Lumens: 3133 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

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

REPORT NUMBER: P1211893
 CATALOG NUMBER: GKO-PB1D-827-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

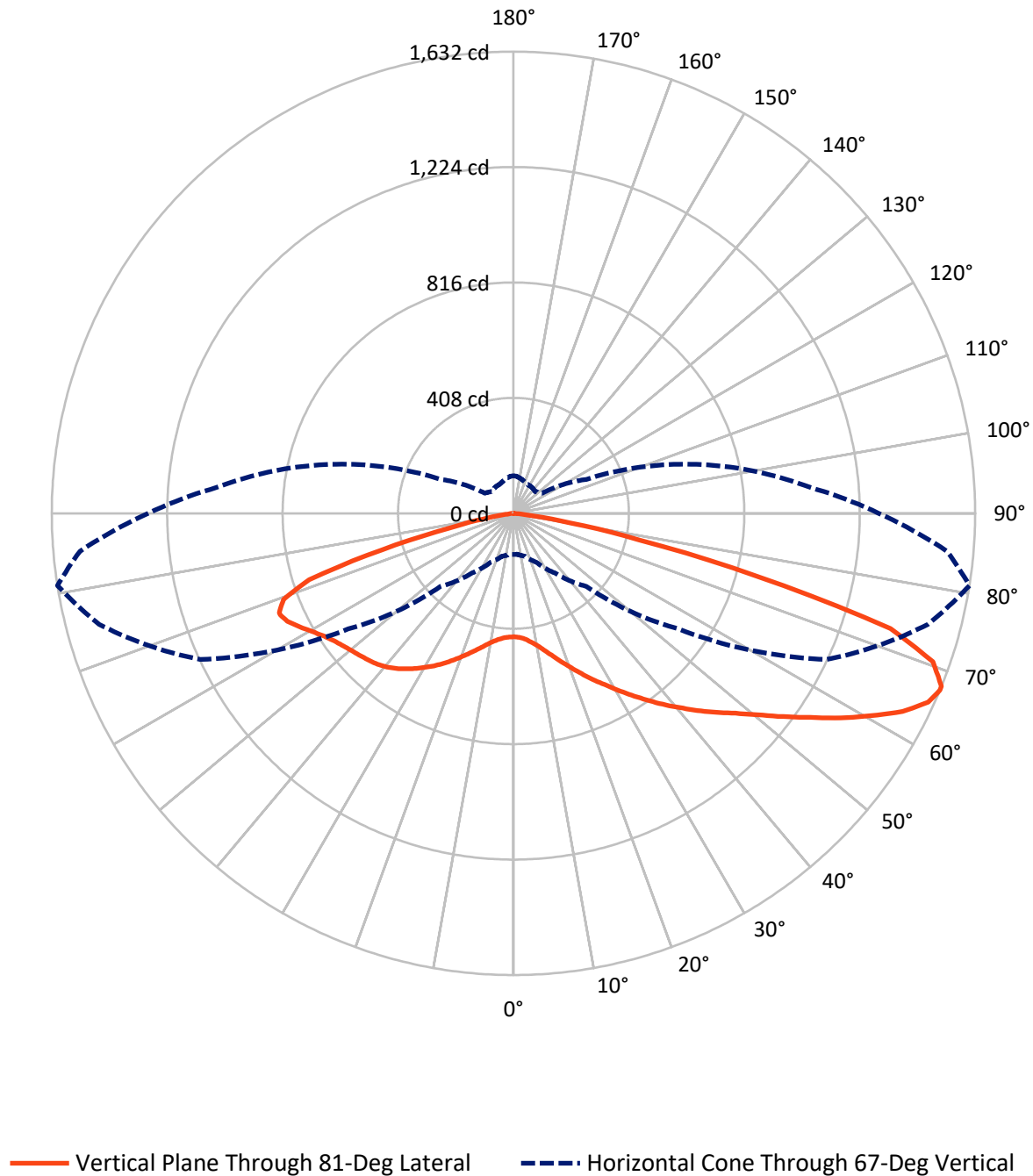
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P1211893
CATALOG NUMBER: GKO-PB1D-827-U-T2R

Luminous Intensity Polar Plot



REPORT NUMBER: P1211893

CATALOG NUMBER: GKO-PB1D-827-U-T2R

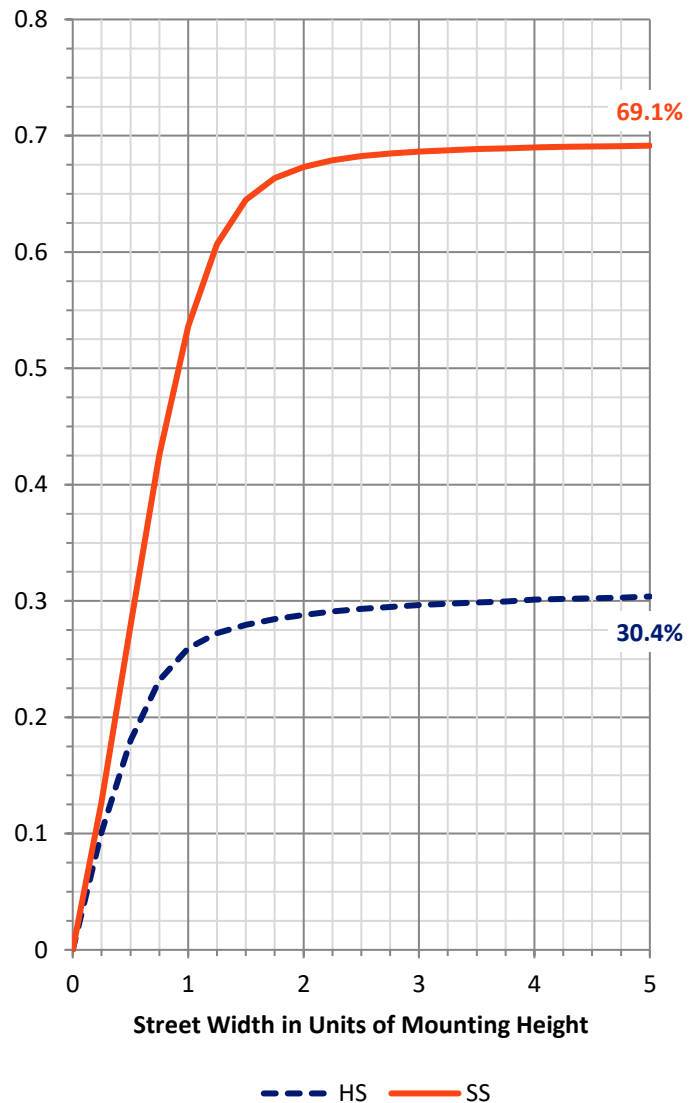
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	967.5	0.0	967.5
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	2165.6	0.0	2165.6
	% Fixture	69.1	0.0	69.1
Total	Lumens	3133.0	0.0	3133.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.2	1.4
10°-20°	163.6	5.2
20°-30°	331.5	10.6
30°-40°	522.7	16.7
40°-50°	641.9	20.5
50°-60°	613.2	19.6
60°-70°	514.3	16.4
70°-80°	272.4	8.7
80°-90°	28.2	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°	3133.0	100.0
0°-180°	3133.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1211893

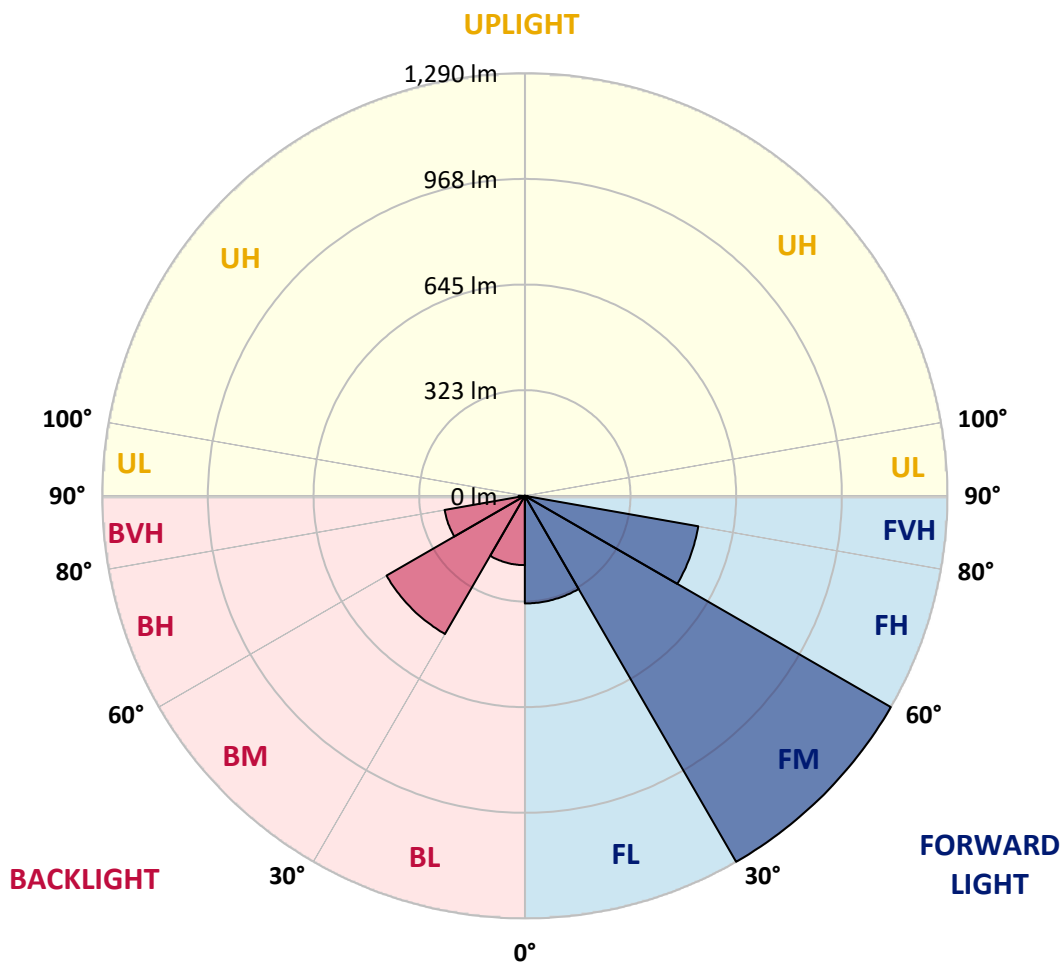
CATALOG NUMBER: GKO-PB1D-827-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	328.6	10.5			
FM	(30°-60°)	1290.4	41.2			
FH	(60°-80°)	537.8	17.2			G0/660
FVH	(80°-90°)	8.7	0.3			G0/10
BL	(0°-30°)	211.7	6.8	B1/500		
BM	(30°-60°)	487.5	15.6	B1/1000		
BH	(60°-80°)	248.9	7.9	B1/500		G1/500
BVH	(80°-90°)	19.4	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





REPORT NUMBER: P1211893

CATALOG NUMBER: GKO-PB1D-827-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	436.4	436.4	436.4	436.4	436.4	436.4	436.4	436.4	436.4	436.4	436.4
2.5°	461.6	462.8	460.4	459.8	457.4	453.8	449.6	446.6	441.8	439.4	438.2
5°	505.4	503.0	501.2	498.2	489.8	482.6	470.6	462.2	453.2	447.2	445.4
7.5°	558.7	559.9	553.9	546.1	534.1	519.8	500.6	485.0	468.2	460.4	456.8
10°	616.9	621.7	615.7	606.1	583.3	561.7	538.3	511.4	488.6	476.6	471.8
12.5°	687.6	690.6	682.8	670.2	642.6	610.3	577.3	543.7	513.8	498.8	490.4
15°	766.7	764.3	756.6	738.0	702.6	666.6	621.7	577.9	542.5	524.0	512.0
17.5°	848.3	845.3	835.1	811.1	770.9	726.0	672.6	617.5	573.1	552.7	536.5
20°	926.2	923.2	916.0	889.0	840.5	785.3	723.0	663.0	607.9	582.7	564.7
22.5°	1012.5	1010.1	998.7	965.8	913.6	853.1	780.5	709.2	645.6	615.7	594.1
25°	1106.1	1106.7	1094.1	1047.9	989.2	918.4	842.3	761.3	688.2	650.4	625.9
27.5°	1215.2	1214.6	1193.0	1143.2	1069.5	988.0	903.4	815.9	730.2	685.8	657.6
30°	1314.1	1311.7	1287.7	1237.9	1152.8	1061.1	968.2	868.7	777.5	724.8	690.6
32.5°	1387.2	1387.8	1368.0	1313.5	1230.1	1132.4	1028.7	928.0	823.1	766.7	729.0
35°	1440.0	1440.6	1421.4	1374.6	1296.7	1199.0	1092.9	983.8	874.1	809.9	769.1
37.5°	1456.8	1456.8	1444.2	1407.6	1344.0	1258.9	1155.8	1047.3	925.0	856.7	809.9
40°	1434.0	1435.8	1435.2	1411.2	1367.4	1300.3	1214.0	1108.4	982.0	902.8	851.3
42.5°	1382.4	1383.6	1385.4	1376.4	1362.6	1322.5	1260.7	1170.8	1038.9	953.2	892.0
45°	1297.3	1302.1	1311.1	1314.7	1320.1	1317.1	1289.5	1228.9	1102.5	1003.5	932.2
47.5°	1189.4	1197.2	1209.2	1230.7	1260.7	1284.7	1296.7	1273.9	1164.2	1055.7	977.2
50°	1039.5	1047.9	1080.3	1125.2	1184.6	1231.3	1276.9	1307.5	1233.1	1119.2	1027.5
52.5°	832.1	850.1	904.6	990.9	1092.9	1162.4	1234.9	1323.7	1303.3	1194.2	1087.5
55°	633.1	639.7	709.8	813.5	970.6	1088.1	1177.4	1315.3	1369.2	1272.7	1155.8
57.5°	442.4	449.6	510.8	624.1	797.9	990.9	1119.8	1287.1	1429.2	1365.0	1234.3
60°	314.1	321.9	367.5	451.4	619.9	849.5	1066.5	1251.1	1481.3	1452.6	1324.9
62.5°	228.4	232.6	256.6	327.3	447.8	664.2	990.4	1227.7	1517.9	1543.7	1417.8
65°	175.0	179.2	193.0	237.4	330.9	485.6	853.7	1227.1	1527.5	1610.8	1498.1
67°	145.7	145.1	157.1	190.6	258.4	365.1	712.8	1222.4	1516.7	1632.4	1538.9
67.5°	137.9	140.3	149.9	178.0	244.0	336.3	682.2	1214.6	1513.1	1631.8	1541.9
70°	109.7	110.3	118.7	140.9	183.4	244.0	491.0	1137.8	1458.5	1573.1	1508.3
72.5°	80.3	79.7	92.3	106.7	140.3	177.4	329.1	955.6	1340.5	1393.8	1341.0
75°	59.3	58.7	65.3	81.5	100.1	132.5	213.4	623.5	907.6	886.6	818.9
77.5°	39.6	40.8	46.8	59.9	71.3	82.1	106.7	287.2	500.0	452.0	435.2
80°	24.0	22.2	26.4	34.2	41.4	42.0	45.6	124.1	214.6	204.4	191.8
82.5°	8.4	8.4	10.2	13.8	13.8	13.8	16.8	30.0	42.6	39.0	37.2
85°	0.0	0.0	0.0	0.0	1.2	1.8	1.2	2.4	4.2	4.8	4.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.2	1.8	2.4	2.4
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: P1211893

CATALOG NUMBER: GKO-PB1D-827-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	436.4	436.4	436.4	436.4	436.4	436.4	436.4	436.4	436.4	436.4	436.4
2.5°	438.2	438.2	436.4	434.0	432.8	432.2	430.4	428.0	429.8	431.6	431.6
5°	444.2	443.0	439.4	437.0	435.2	435.2	432.8	432.2	434.0	435.8	435.2
7.5°	453.8	451.4	447.2	443.6	444.2	444.8	441.2	441.2	443.0	444.8	444.8
10°	467.0	462.8	458.6	455.6	456.2	456.8	453.2	452.0	453.8	455.6	456.8
12.5°	483.8	478.4	473.6	470.6	470.0	470.6	467.0	465.8	465.8	467.0	467.0
15°	503.6	497.6	491.6	487.4	486.2	485.6	480.8	476.6	476.6	477.2	477.2
17.5°	526.3	518.0	510.2	505.4	502.4	498.2	492.8	486.8	485.0	485.6	485.6
20°	549.1	540.1	529.9	523.4	517.4	510.2	501.8	494.0	490.4	490.4	489.8
22.5°	575.5	563.5	549.7	540.7	529.9	518.0	506.0	495.8	492.2	491.0	491.0
25°	602.5	588.7	568.9	555.1	539.5	522.2	506.6	492.8	486.8	484.4	484.4
27.5°	630.1	613.9	588.1	568.3	545.5	521.6	500.6	483.2	474.8	471.8	470.6
30°	661.2	637.9	604.9	577.9	546.7	516.2	489.2	468.8	456.2	449.0	449.6
32.5°	693.6	664.2	620.5	583.9	544.9	506.0	471.8	446.0	429.8	423.2	420.8
35°	726.6	689.4	634.3	586.9	538.9	490.4	449.6	420.8	402.9	393.3	393.3
37.5°	760.1	715.8	643.8	586.3	528.1	470.0	423.8	393.3	372.3	360.3	357.3
40°	793.1	740.4	651.0	581.5	512.0	445.4	396.3	363.3	335.1	319.5	317.1
42.5°	825.5	760.7	654.6	573.7	492.8	418.4	365.1	320.7	293.7	279.4	278.8
45°	854.9	776.9	655.2	563.5	467.6	387.9	323.1	280.6	253.6	238.6	238.6
47.5°	883.6	794.9	654.6	550.3	440.0	348.3	278.8	237.4	212.8	203.2	200.2
50°	918.4	812.9	654.0	534.1	404.7	300.9	235.6	200.2	179.2	169.7	169.7
52.5°	953.8	833.9	655.2	511.4	362.7	254.8	197.2	166.1	152.3	146.3	145.7
55°	999.3	856.1	658.2	484.4	318.9	209.8	164.3	143.3	133.7	130.7	131.3
57.5°	1054.5	886.6	664.2	452.6	268.0	172.1	140.9	129.5	127.1	128.3	128.9
60°	1117.4	924.4	672.6	416.6	223.0	143.3	127.1	124.7	127.1	131.9	132.5
62.5°	1190.6	970.0	683.4	376.5	178.6	125.9	121.1	122.9	124.7	132.5	133.1
65°	1255.3	1019.1	685.8	329.1	145.1	114.5	117.5	118.7	123.5	132.5	133.1
67°	1291.9	1052.7	669.6	284.2	124.1	108.5	112.7	113.9	122.3	131.3	132.5
67.5°	1296.1	1059.9	658.8	272.8	119.9	107.3	111.5	113.9	122.3	131.3	131.9
70°	1283.5	1055.1	586.9	205.6	98.9	98.9	103.7	109.1	117.5	127.1	131.3
72.5°	1171.4	962.2	454.4	139.7	83.9	89.3	96.5	104.3	112.1	123.5	130.7
75°	740.4	619.3	278.2	93.5	70.1	79.7	91.1	100.1	106.7	115.1	119.9
77.5°	395.7	306.3	119.9	55.2	55.2	70.7	84.5	92.9	96.5	99.5	102.5
80°	187.0	142.7	58.2	33.0	38.4	55.2	74.9	83.9	85.1	88.7	89.9
82.5°	37.2	32.4	19.2	17.4	25.2	39.6	62.3	72.5	73.1	79.1	80.3
85°	4.8	4.2	3.0	6.6	16.2	29.4	48.0	62.3	63.5	63.5	62.3
87.5°	2.4	1.8	1.8	4.8	12.0	22.2	39.6	52.2	52.8	41.4	40.2
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)