

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: P1211821

Luminaire Tested: **GKO-PB2A-850-U-T4W**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211821
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2A-850-U-T4W
Description: GEKKO WALL PACK 4000LM PACKAGE 80CRI 5000K FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC
Light Source: (20) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

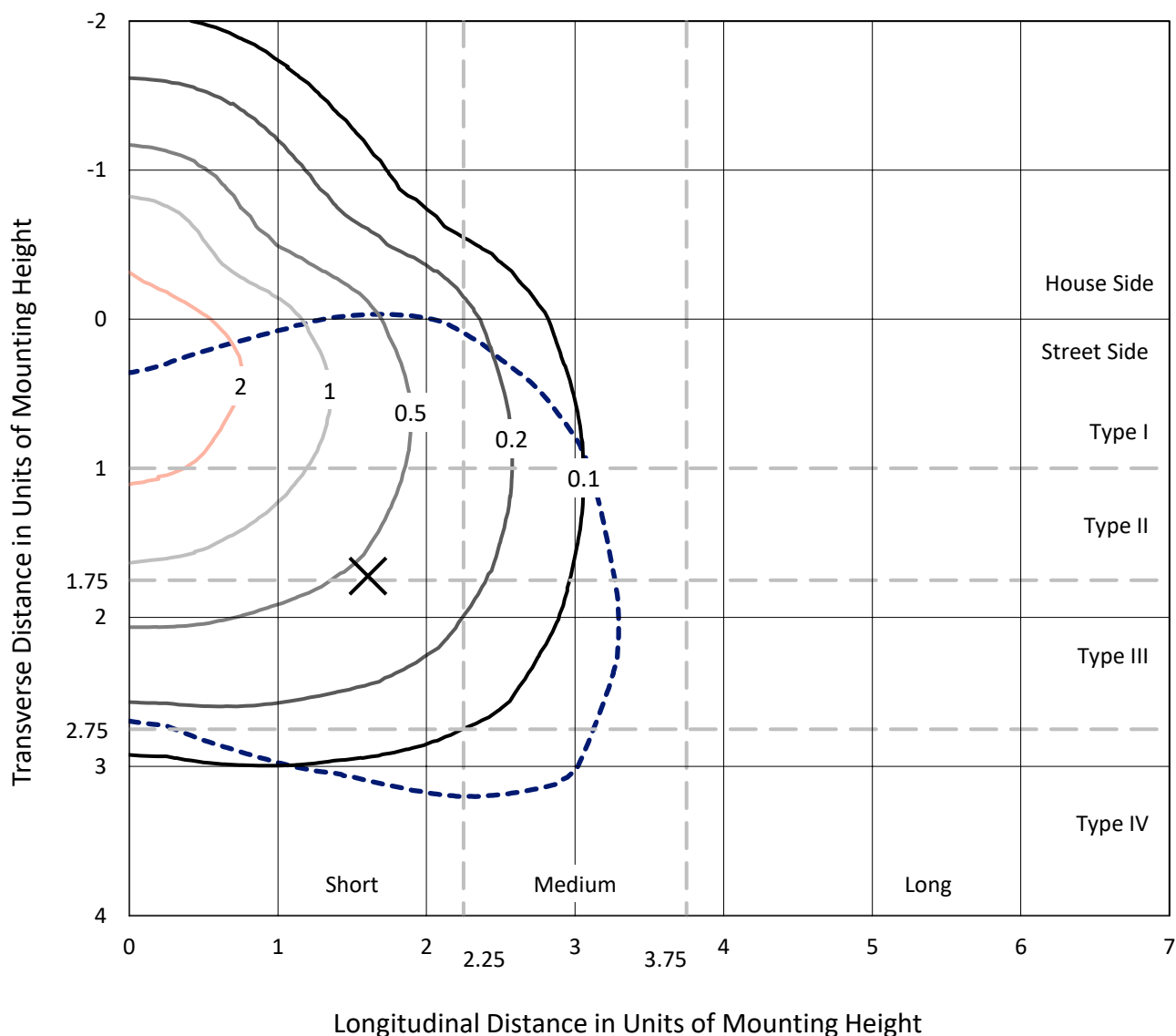
Lumens per Lamp: N/A
Luminaire Lumens: 3749.5 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

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: P1211821
 CATALOG NUMBER: GKO-PB2A-850-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

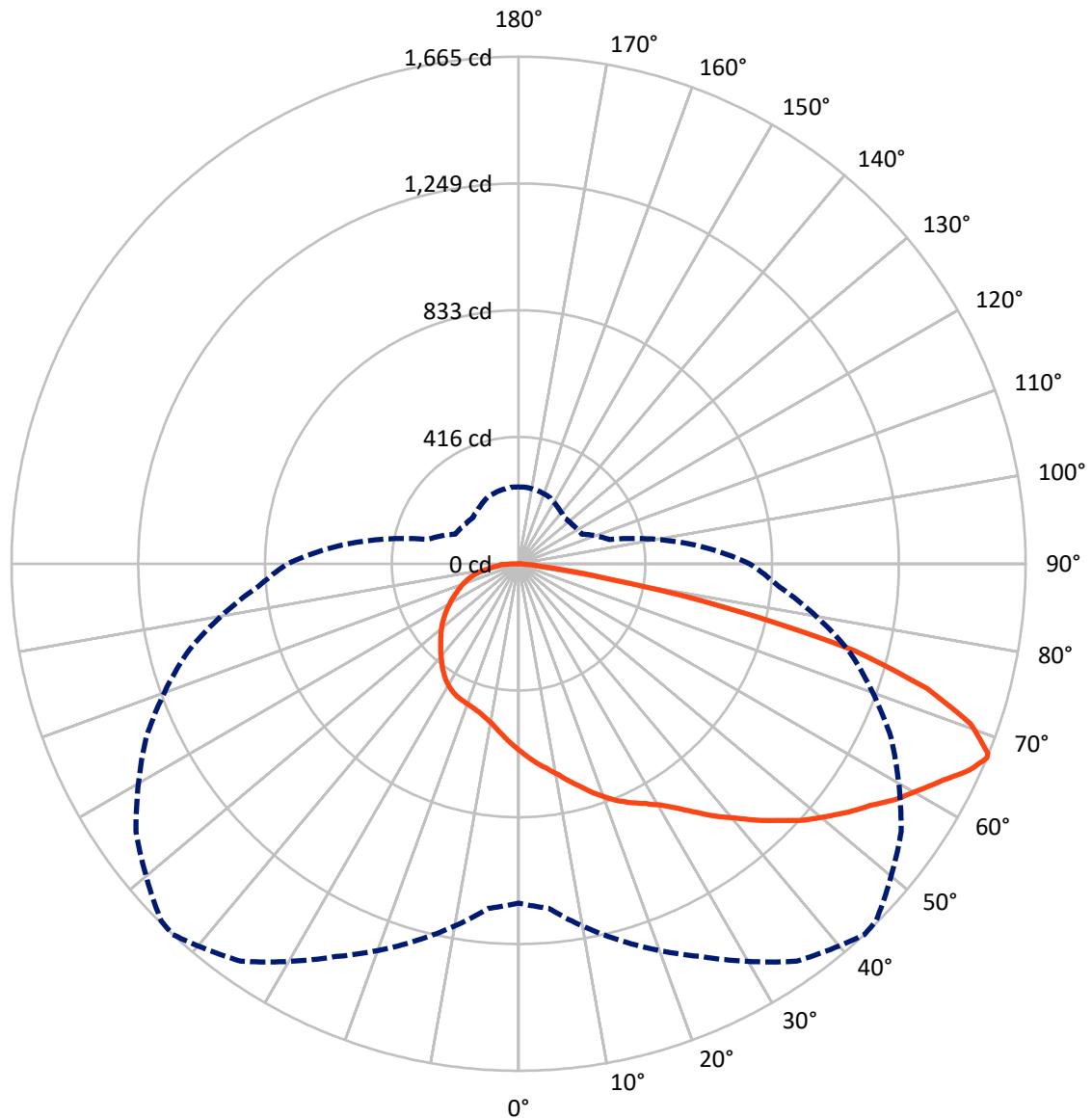
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P1211821
CATALOG NUMBER: GKO-PB2A-850-U-T4W

Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P1211821

CATALOG NUMBER: GKO-PB2A-850-U-T4W

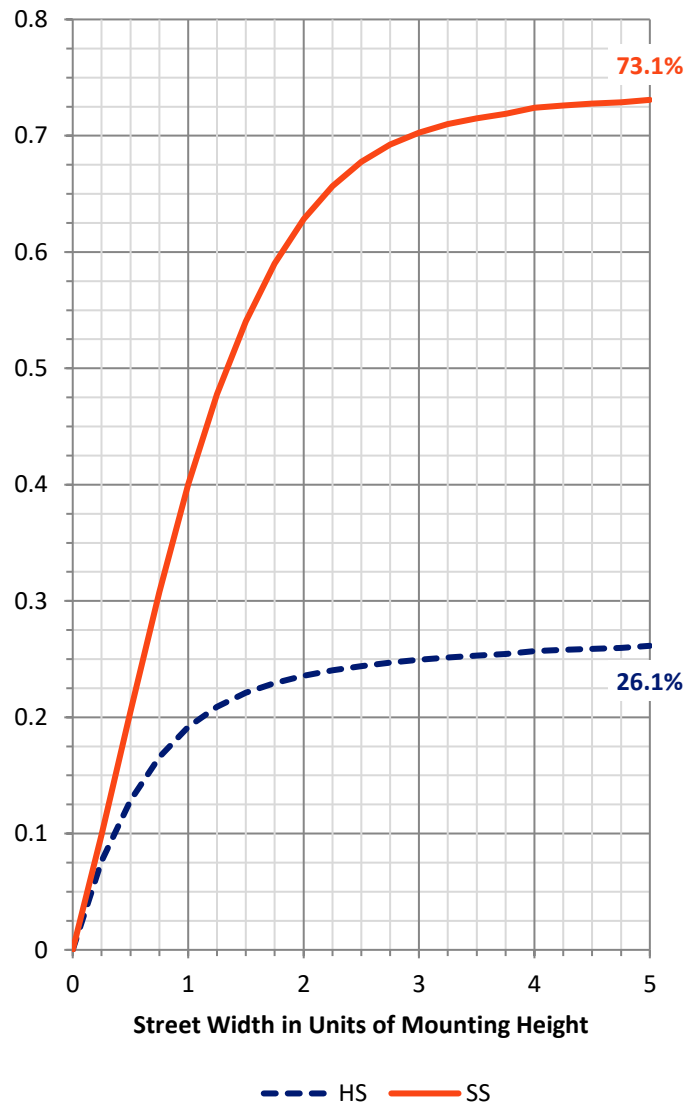
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1008.5	0.0	1008.5
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	2741.0	0.0	2741.0
	% Fixture	73.1	0.0	73.1
Total	Lumens	3749.5	0.0	3749.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.8	1.6
10°-20°	180.8	4.8
20°-30°	313.0	8.3
30°-40°	464.5	12.4
40°-50°	631.1	16.8
50°-60°	774.7	20.7
60°-70°	816.5	21.8
70°-80°	450.7	12.0
80°-90°	59.4	1.6
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°	3749.5	100.0
0°-180°	3749.5	100.0



REPORT NUMBER: P1211821

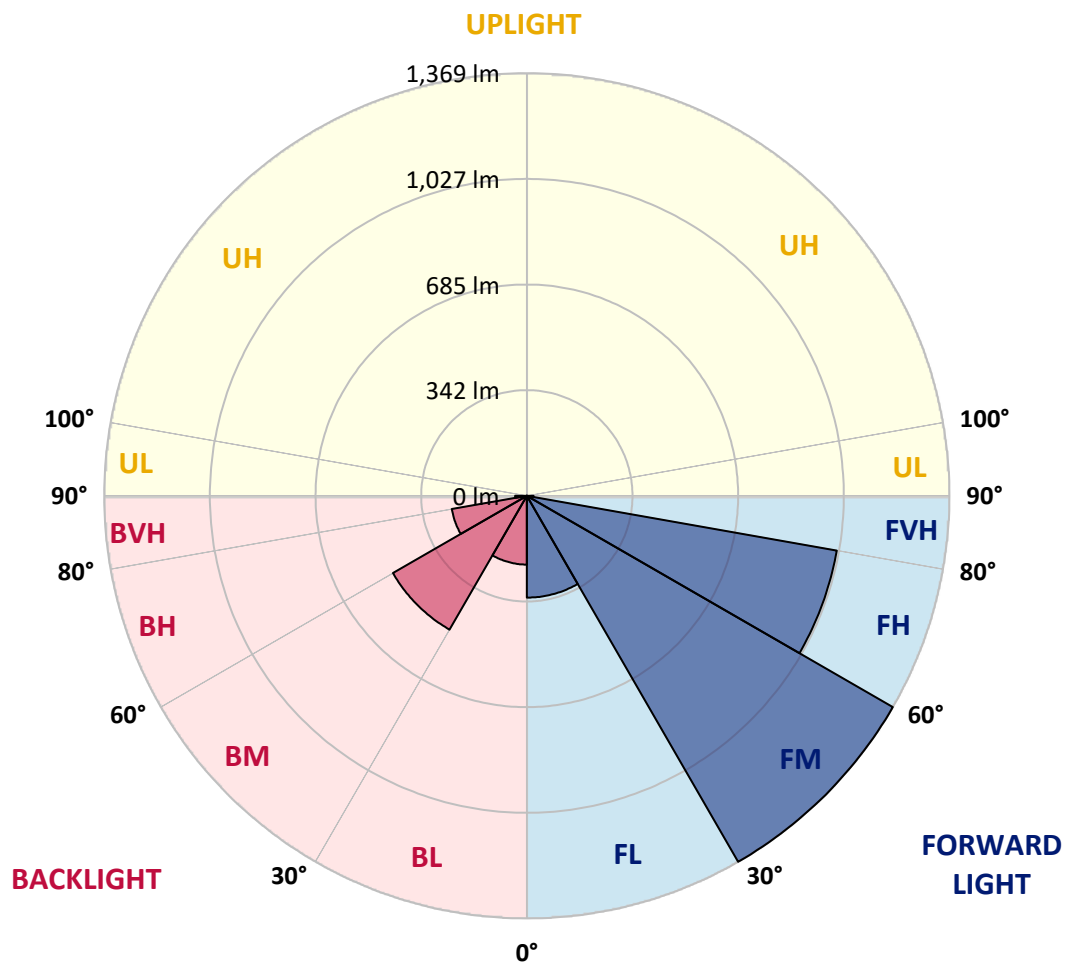
CATALOG NUMBER: GKO-PB2A-850-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	329.9	8.8			
FM	(30°-60°)	1369.4	36.5			
FH	(60°-80°)	1020.0	27.2			G1/1800
FVH	(80°-90°)	21.7	0.6			G1/100
BL	(0°-30°)	222.8	5.9	B1/500		
BM	(30°-60°)	500.9	13.4	B1/1000		
BH	(60°-80°)	247.1	6.6	B1/500		G1/500
BVH	(80°-90°)	37.7	1.0			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 IV Short





REPORT NUMBER: P1211821

CATALOG NUMBER: GKO-PB2A-850-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	615.4	615.4	615.4	615.4	615.4	615.4	615.4	615.4	615.4	615.4	615.4
2.5°	643.9	645.4	643.9	642.4	639.4	637.9	636.4	632.7	628.2	621.4	616.2
5°	672.5	672.5	670.2	668.7	664.2	659.7	657.5	648.4	638.7	627.4	616.9
7.5°	698.7	701.7	698.0	694.2	687.5	680.0	678.5	665.0	651.5	636.4	620.7
10°	731.8	734.0	728.8	725.8	713.0	703.2	700.2	683.7	665.7	646.9	626.7
12.5°	765.5	767.0	763.3	756.5	743.0	731.0	726.5	704.7	681.5	659.0	633.4
15°	794.8	796.3	794.8	787.3	774.5	759.5	753.5	729.5	701.0	671.7	641.7
17.5°	816.6	819.6	819.6	815.8	804.6	790.3	786.5	756.5	723.5	686.7	651.5
20°	835.3	836.8	839.8	837.6	831.6	819.6	814.3	785.8	746.0	704.0	661.2
22.5°	850.3	851.8	857.1	856.3	852.6	846.6	841.3	815.1	772.3	721.2	670.2
25°	876.6	875.9	878.9	876.6	872.1	869.9	866.8	843.6	798.6	741.5	682.2
27.5°	922.4	920.9	917.9	906.6	895.4	892.4	890.1	873.6	829.3	764.8	695.7
30°	989.9	991.4	977.2	951.7	929.1	920.1	917.1	905.9	863.8	791.8	710.7
32.5°	1070.2	1069.5	1046.2	1010.2	974.9	956.9	950.9	938.9	898.4	818.8	728.0
35°	1128.0	1126.5	1114.5	1082.2	1045.5	1002.7	991.4	972.7	935.1	849.6	745.3
37.5°	1206.1	1203.8	1180.6	1146.8	1113.8	1052.2	1039.5	1014.0	970.4	879.6	764.8
40°	1295.4	1281.1	1242.9	1208.3	1163.3	1098.0	1087.5	1054.5	1010.9	916.4	787.3
42.5°	1376.5	1355.4	1305.9	1262.4	1206.1	1152.0	1138.5	1099.5	1050.0	950.2	810.6
45°	1498.0	1447.0	1375.7	1350.2	1252.6	1203.1	1191.8	1143.8	1092.8	986.9	833.8
47.5°	1483.0	1447.0	1423.7	1420.7	1301.4	1258.6	1242.1	1192.6	1138.5	1026.0	857.8
50°	1512.3	1483.8	1485.3	1448.5	1345.7	1305.9	1293.9	1243.6	1185.1	1064.2	883.4
52.5°	1506.3	1514.5	1510.0	1453.0	1388.5	1355.4	1346.4	1296.1	1229.3	1101.0	905.9
55°	1554.3	1549.8	1540.1	1483.8	1435.7	1402.0	1394.5	1350.9	1274.4	1132.5	925.4
57.5°	1589.6	1566.3	1565.6	1518.3	1488.3	1460.5	1448.5	1407.2	1316.4	1160.3	940.4
60°	1567.8	1540.1	1560.3	1523.6	1520.6	1510.0	1503.3	1456.8	1353.9	1181.3	946.4
62.5°	1451.5	1458.3	1518.3	1516.0	1555.8	1565.6	1558.1	1491.3	1378.7	1188.8	941.9
65°	1297.6	1317.9	1410.2	1489.0	1597.1	1630.9	1623.4	1516.0	1376.5	1171.6	911.9
67°	1114.5	1136.3	1280.4	1423.7	1593.4	1665.4	1660.1	1534.1	1349.4	1127.3	857.8
67.5°	1074.0	1098.8	1242.9	1393.7	1579.8	1662.4	1658.6	1535.6	1340.4	1106.3	836.8
70°	790.3	819.6	1023.0	1224.8	1471.8	1575.3	1574.6	1479.3	1247.4	992.2	725.8
72.5°	492.3	518.6	729.5	955.4	1275.1	1402.7	1397.5	1288.6	1074.0	809.8	572.6
75°	301.7	318.2	459.3	622.9	924.6	1135.5	1143.0	1007.2	732.5	481.1	323.5
77.5°	184.6	202.6	289.7	384.3	565.1	706.2	707.7	558.4	376.0	261.9	177.1
80°	102.8	107.3	150.9	201.1	289.7	291.2	279.2	246.2	195.1	126.1	90.8
82.5°	40.5	43.5	65.3	81.1	82.6	86.3	80.3	72.8	61.5	40.5	28.5
85°	0.0	0.0	0.0	1.5	5.3	10.5	10.5	7.5	3.0	2.3	2.3
87.5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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: P1211821

CATALOG NUMBER: GKO-PB2A-850-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	615.4	615.4	615.4	615.4	615.4	615.4	615.4	615.4	615.4	615.4	615.4
2.5°	614.7	613.9	608.7	602.7	598.2	594.4	590.7	586.2	586.2	587.7	586.9
5°	613.2	609.4	599.7	589.2	580.9	573.4	566.6	560.6	559.9	560.6	561.4
7.5°	613.9	607.2	592.2	576.4	562.9	553.1	543.4	538.9	538.1	538.1	538.1
10°	616.9	607.2	586.9	565.1	548.6	534.4	523.9	519.4	520.1	520.9	521.6
12.5°	622.2	608.7	583.2	555.4	534.4	520.1	509.6	505.8	508.9	512.6	513.4
15°	627.4	611.7	579.4	547.1	523.1	507.4	499.8	499.1	504.3	511.1	512.6
17.5°	633.4	613.9	574.9	536.6	511.1	498.3	494.6	496.8	505.1	515.6	517.9
20°	639.4	616.9	569.6	526.9	499.8	490.8	493.1	499.8	510.4	523.1	525.4
22.5°	645.4	619.2	562.9	514.9	487.8	484.8	493.1	504.3	514.9	529.1	532.1
25°	652.2	622.2	554.6	499.8	475.8	478.1	492.3	505.8	517.1	532.1	535.9
27.5°	662.7	626.7	546.4	486.3	462.3	469.8	488.6	505.1	517.1	531.4	535.9
30°	673.2	631.2	539.6	472.1	448.8	458.6	481.1	501.3	513.4	526.1	532.1
32.5°	685.2	637.2	533.6	457.8	433.8	445.8	470.6	493.1	507.4	518.6	524.6
35°	698.0	646.2	529.1	445.1	418.8	429.3	454.8	482.6	496.8	507.4	512.6
37.5°	714.5	656.0	526.1	432.3	403.0	412.0	438.3	467.6	484.1	492.3	499.1
40°	732.5	670.2	526.1	421.8	388.0	394.0	421.0	452.6	469.1	475.8	482.6
42.5°	750.5	684.5	525.4	411.3	372.3	376.8	403.8	436.1	451.8	457.1	462.3
45°	771.5	701.0	524.6	399.3	355.0	359.5	387.3	419.5	434.6	439.1	443.6
47.5°	794.0	717.5	521.6	384.3	339.2	343.0	370.8	400.8	415.8	421.0	425.5
50°	814.3	733.3	514.1	367.0	325.0	328.7	353.5	378.3	391.8	397.8	402.3
52.5°	832.3	744.5	502.1	347.5	309.2	313.7	332.5	354.2	364.8	369.3	372.3
55°	846.6	750.5	482.6	328.7	294.2	296.5	311.5	331.0	339.2	340.0	342.2
57.5°	856.3	749.8	456.3	307.0	279.2	279.9	290.5	307.7	313.7	313.0	314.5
60°	858.6	740.0	424.8	286.7	264.2	261.9	272.4	284.4	288.2	291.2	295.0
62.5°	849.6	716.7	388.8	266.4	249.2	245.4	252.9	263.4	269.4	270.9	272.4
65°	816.6	674.0	345.2	245.4	234.2	227.4	235.7	250.7	260.4	263.4	262.7
67°	758.8	613.9	307.7	229.7	219.2	213.1	225.2	240.9	247.7	252.2	252.2
67.5°	740.0	592.2	295.0	224.4	215.4	210.1	221.4	236.4	245.4	250.7	250.7
70°	628.2	485.6	249.2	198.1	193.6	194.4	207.9	224.4	235.7	240.9	240.9
72.5°	478.8	376.0	202.6	172.6	171.1	176.4	193.6	208.6	222.9	231.9	231.2
75°	271.7	216.9	147.9	141.1	147.1	157.6	179.4	195.9	208.6	217.7	216.9
77.5°	158.4	130.6	102.1	96.8	114.1	138.1	160.6	181.6	190.6	193.6	191.4
80°	80.3	68.3	63.8	66.0	76.6	102.8	140.3	165.1	171.9	174.1	171.9
82.5°	25.5	23.3	25.5	33.8	51.0	81.1	113.3	149.4	157.6	157.6	156.9
85°	1.5	1.5	1.5	15.0	35.3	60.0	88.6	130.6	147.9	146.4	144.1
87.5°	0.8	0.8	0.8	9.8	27.8	50.3	78.1	118.6	141.1	130.6	123.1
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)