

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: P1211864

Luminaire Tested: **GKO-PB1C-840-U-T3**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211864
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1C-840-U-T3
Description: GEKKO WALL PACK 2500LM PACKAGE 80CRI 4000K FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (10) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

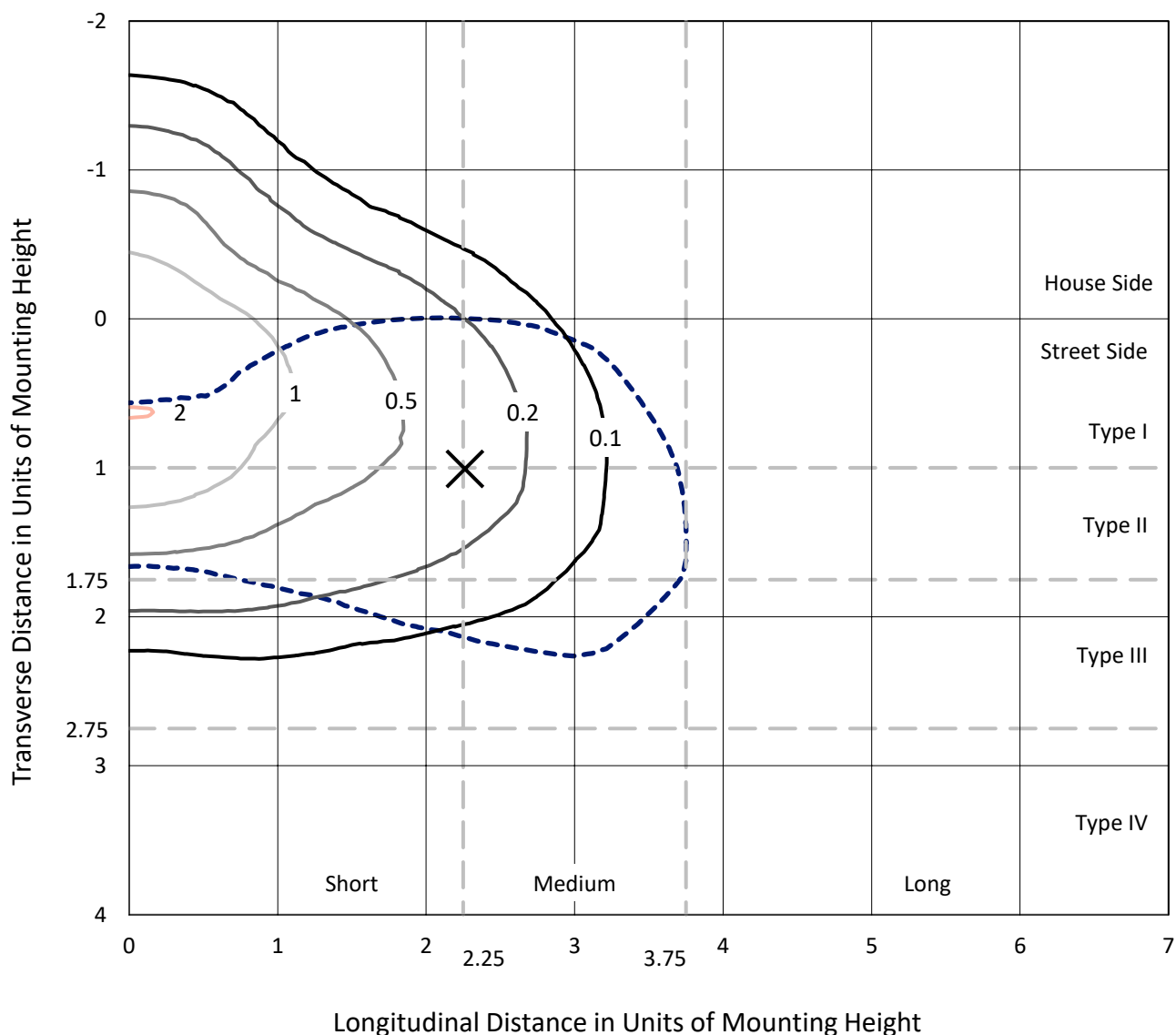
Lumens per Lamp: N/A
Luminaire Lumens: 2371.3 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 17
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 13%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1211864
CATALOG NUMBER: GKO-PB1C-840-U-T3

Iso-Footcandle Lines of Horizontal Illumination

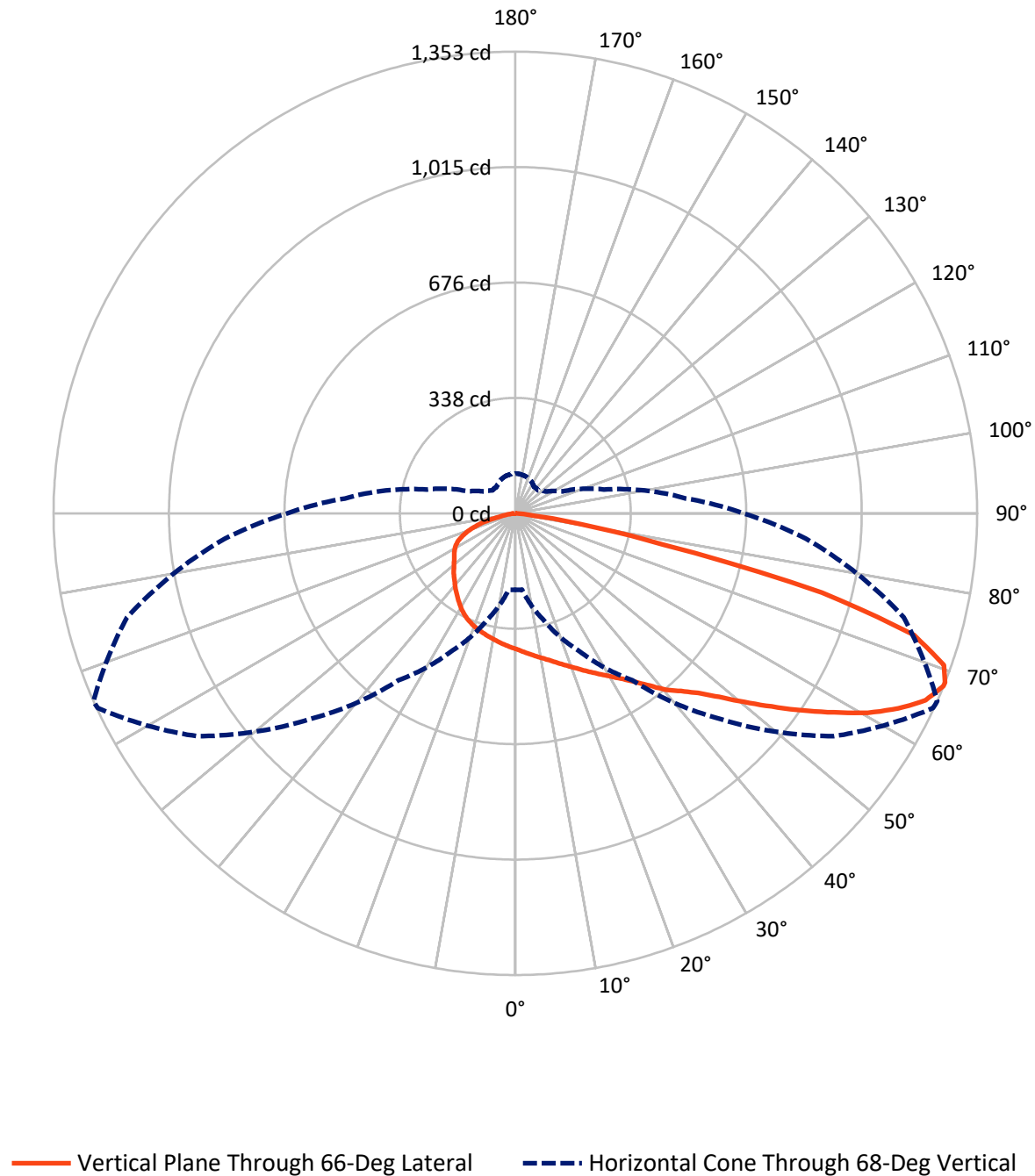
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2 fc
Type III - Medium - N/A

REPORT NUMBER: P1211864
CATALOG NUMBER: GKO-PB1C-840-U-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P1211864

CATALOG NUMBER: GKO-PB1C-840-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	607.1	0.0	607.1
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	1764.2	0.0	1764.2
	% Fixture	74.4	0.0	74.4
Total	Lumens	2371.3	0.0	2371.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.1	1.6
10°-20°	114.7	4.8
20°-30°	197.6	8.3
30°-40°	306.6	12.9
40°-50°	420.0	17.7
50°-60°	501.0	21.1
60°-70°	502.0	21.2
70°-80°	265.7	11.2
80°-90°	25.6	1.1
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°	2371.3	100.0
0°-180°	2371.3	100.0



REPORT NUMBER: P1211864

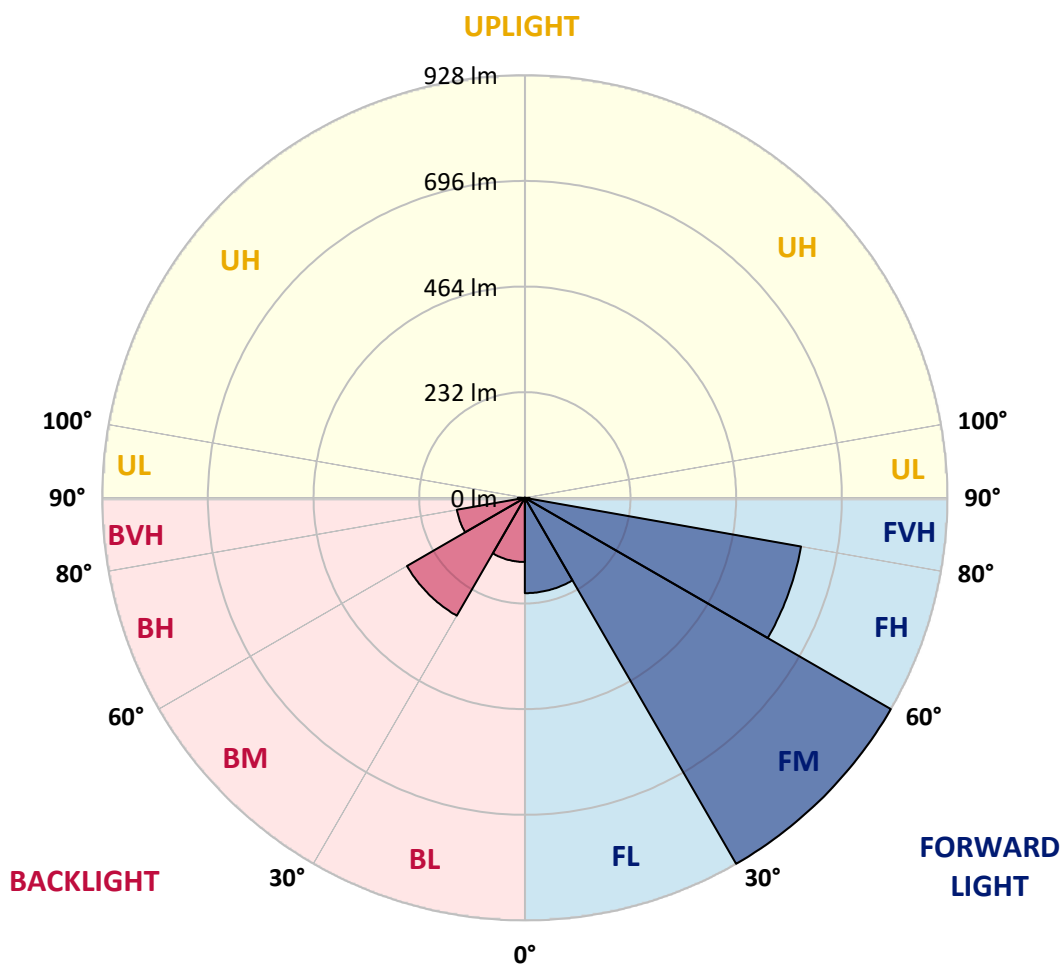
CATALOG NUMBER: GKO-PB1C-840-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	209.5	8.8			
FM	(30°-60°)	928.5	39.2			
FH	(60°-80°)	616.2	26.0			G0/660
FVH	(80°-90°)	10.1	0.4			G1/100
BL	(0°-30°)	141.0	5.9	B1/500		
BM	(30°-60°)	299.1	12.6	B1/1000		
BH	(60°-80°)	151.5	6.4	B1/500		G1/500
BVH	(80°-90°)	15.6	0.7			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 III Medium



REPORT NUMBER: P1211864

CATALOG NUMBER: GKO-PB1C-840-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	397.7	397.7	397.7	397.7	397.7	397.7	397.7	397.7	397.7	397.7	397.7
2.5°	414.3	414.3	413.4	412.9	412.5	409.7	407.8	405.5	405.5	401.9	398.6
5°	428.6	429.0	427.2	427.2	425.3	421.7	418.0	413.4	413.4	407.8	401.4
7.5°	441.0	442.4	440.5	440.5	438.7	434.5	428.6	422.1	422.1	414.3	405.1
10°	453.0	453.9	453.0	453.9	451.1	447.4	440.5	431.8	431.3	421.7	408.8
12.5°	462.6	463.5	464.0	465.4	463.1	460.3	453.9	442.8	441.5	429.9	413.4
15°	471.8	472.8	474.1	476.0	475.5	473.2	467.2	454.8	453.9	439.1	419.4
17.5°	479.2	479.7	482.4	486.1	487.0	487.5	481.0	468.1	467.2	449.7	425.8
20°	489.8	490.7	493.5	497.2	499.9	501.8	496.7	482.4	481.5	462.2	434.1
22.5°	513.7	512.3	513.7	513.7	515.1	517.9	514.2	499.9	498.1	476.9	444.2
25°	558.8	557.5	553.8	545.5	536.3	535.8	531.7	517.9	515.6	492.1	453.9
27.5°	621.9	618.7	611.8	594.3	572.2	557.9	551.5	537.2	534.4	507.3	463.1
30°	688.6	692.3	680.8	656.9	616.4	586.0	573.6	557.5	555.2	524.3	474.1
32.5°	766.4	766.9	755.4	722.2	669.8	621.4	600.3	580.5	578.6	544.1	488.9
35°	811.6	813.4	808.3	777.5	717.6	660.6	632.5	608.5	607.2	569.0	507.3
37.5°	858.5	862.6	854.8	820.8	754.0	696.9	668.4	642.2	640.8	597.5	530.3
40°	928.0	926.2	917.9	867.7	788.1	727.3	703.8	683.1	679.9	632.5	553.8
42.5°	978.2	982.8	964.8	908.2	825.4	757.7	739.3	715.8	711.7	653.7	567.6
45°	995.2	991.1	971.3	929.9	874.2	785.3	772.9	754.9	750.8	690.9	594.7
47.5°	998.9	991.5	974.0	942.7	915.6	821.2	813.9	809.7	803.7	737.9	627.4
50°	976.3	971.3	963.0	947.3	942.3	854.8	858.5	873.7	868.6	788.5	663.8
52.5°	925.3	923.0	930.3	940.4	927.1	883.8	911.4	942.3	940.4	844.2	702.9
55°	829.0	829.0	870.5	905.9	913.7	902.7	968.5	1021.5	1019.2	906.8	740.2
57.5°	741.1	742.5	777.0	856.7	889.8	923.0	1032.0	1104.3	1100.6	977.3	779.3
60°	630.2	630.2	682.7	782.6	855.3	938.6	1088.2	1184.4	1186.7	1045.4	818.0
62.5°	499.0	500.4	573.1	690.5	805.6	941.4	1132.9	1259.9	1259.4	1107.1	847.9
65°	367.8	368.3	467.2	588.3	731.0	922.0	1157.3	1317.9	1320.7	1155.9	865.4
67.5°	238.9	243.5	343.9	477.4	625.6	867.3	1144.4	1348.8	1352.0	1178.4	859.9
68°	223.7	224.6	325.4	447.0	597.0	853.4	1138.4	1350.1	1352.9	1178.0	854.4
70°	145.0	145.0	232.9	348.9	476.4	767.4	1086.4	1328.5	1331.7	1157.7	814.3
72.5°	78.3	79.6	133.0	211.3	325.4	593.8	980.5	1215.7	1221.2	1046.8	712.1
75°	54.8	55.7	77.3	118.3	177.2	386.7	766.4	928.9	928.0	723.2	446.1
77.5°	39.6	39.6	44.2	73.7	93.0	176.8	379.3	447.4	442.4	353.1	225.1
80°	25.8	25.8	27.6	38.7	44.7	53.9	116.0	193.8	197.5	172.2	112.3
82.5°	10.6	11.0	12.0	15.7	16.1	22.6	33.1	55.7	53.9	43.7	31.8
85°	1.4	1.4	1.8	2.3	2.8	5.1	4.6	4.6	4.6	5.5	5.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	1.4	1.8	1.4
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: P1211864

CATALOG NUMBER: GKO-PB1C-840-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	397.7	397.7	397.7	397.7	397.7	397.7	397.7	397.7	397.7	397.7	397.7
2.5°	397.7	397.7	395.0	392.2	389.4	387.1	383.9	381.6	382.1	383.5	383.0
5°	400.0	397.7	392.2	386.2	381.6	377.5	371.5	368.3	367.8	368.7	368.3
7.5°	401.4	397.7	389.4	380.2	372.9	367.3	359.1	355.8	354.4	354.9	354.9
10°	404.2	398.2	386.7	373.8	364.6	356.8	348.0	343.4	342.0	342.0	341.6
12.5°	407.4	399.1	383.9	368.3	356.3	347.1	337.0	331.9	330.5	330.5	330.1
15°	410.6	400.5	381.1	362.3	348.5	337.4	327.8	321.8	319.9	319.9	320.8
17.5°	414.8	401.9	378.4	356.8	340.2	327.8	317.6	311.6	309.3	310.7	311.6
20°	418.9	404.6	375.6	350.8	331.9	319.0	308.9	302.9	300.6	302.9	303.4
22.5°	424.9	406.9	372.4	343.9	323.6	309.3	300.1	294.6	293.2	295.5	297.4
25°	430.9	409.7	368.3	336.5	313.0	299.2	291.8	287.7	288.2	291.4	293.2
27.5°	437.3	412.0	364.1	327.3	301.5	288.6	283.1	282.2	284.0	287.7	290.0
30°	445.1	415.2	358.6	316.7	288.6	277.1	274.8	277.6	280.8	284.5	286.8
32.5°	455.3	419.4	353.1	304.7	275.3	264.7	268.4	274.4	278.0	281.7	284.0
35°	469.5	427.6	349.8	292.8	261.0	254.1	262.4	272.1	274.8	277.1	279.9
37.5°	486.1	438.7	348.5	281.7	248.1	244.9	256.4	267.9	268.8	269.8	272.5
40°	502.2	447.0	344.8	269.8	234.8	234.8	249.0	260.1	259.6	258.2	260.1
42.5°	508.7	446.1	334.2	258.2	224.2	224.6	237.5	248.1	245.4	245.4	248.1
45°	527.1	453.4	326.4	249.0	214.5	212.7	222.8	231.1	235.7	241.7	244.4
47.5°	550.5	463.5	320.4	238.4	205.3	199.3	204.8	218.7	226.5	232.9	235.2
50°	574.9	475.1	314.9	227.4	196.1	184.1	186.9	202.1	209.0	212.2	213.6
52.5°	599.8	485.6	310.7	218.2	185.5	166.2	172.2	186.4	191.5	193.3	194.3
55°	621.9	494.4	307.0	210.4	173.5	151.9	156.5	171.2	174.9	176.8	178.1
57.5°	645.4	504.1	304.7	203.0	160.2	139.5	142.7	156.0	161.1	163.0	164.3
60°	666.1	513.3	302.9	195.2	147.8	128.4	130.3	143.2	148.7	149.6	151.0
62.5°	679.9	519.2	300.1	185.5	136.3	117.8	118.3	130.7	136.7	137.6	138.6
65°	683.6	517.9	291.8	172.6	124.7	107.3	107.3	119.2	125.7	128.9	130.3
67.5°	672.5	506.4	274.4	156.0	113.7	97.6	97.6	108.2	115.1	118.8	120.1
68°	668.9	501.3	268.8	151.9	110.9	95.3	95.3	106.3	112.8	116.0	116.9
70°	637.5	476.4	243.5	136.3	102.2	88.4	88.4	98.0	105.0	105.0	104.5
72.5°	553.8	412.9	200.2	114.2	89.3	78.3	79.6	88.8	91.1	93.4	93.0
75°	342.9	247.2	134.4	90.2	75.0	68.6	71.4	79.6	81.0	86.1	84.7
77.5°	171.7	121.1	71.4	52.5	58.0	58.9	64.0	70.0	74.1	79.6	76.0
80°	84.7	58.9	41.9	32.7	34.1	43.3	55.7	60.3	67.7	71.4	68.1
82.5°	23.5	18.0	17.0	18.0	25.3	33.6	43.7	53.4	63.1	66.3	61.7
85°	4.1	3.2	2.8	8.7	17.5	24.9	35.4	47.4	56.6	54.3	51.1
87.5°	1.4	0.9	0.9	5.5	12.9	20.3	30.4	42.3	48.3	43.7	39.1
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)