

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: P1212045

Luminaire Tested: **GKO-PB1B-840-U-T1**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1212045
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1B-840-U-T1
Description: GEKKO WALL PACK 1500LM PACKAGE 80CRI 4000K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (10) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

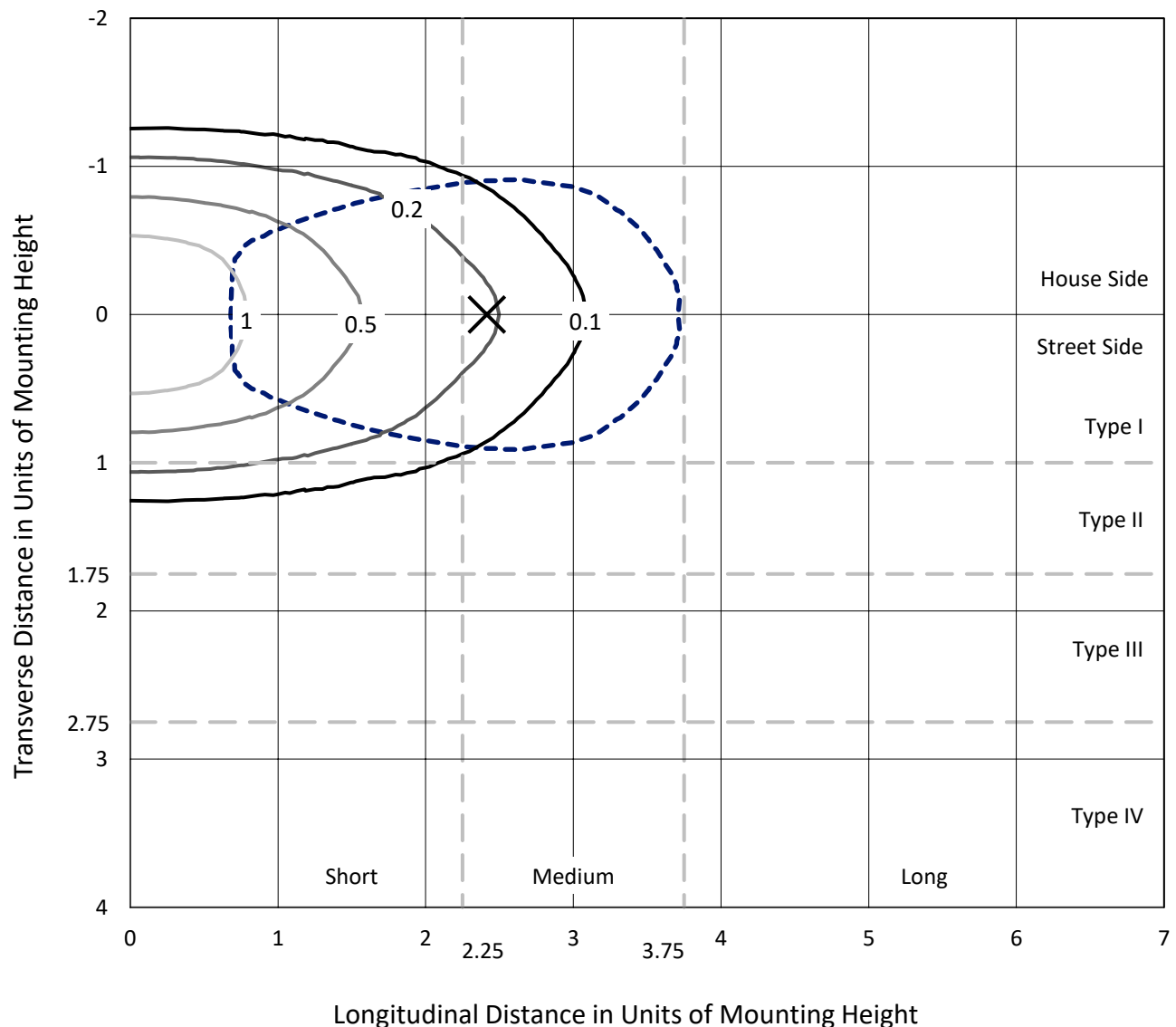
Lumens per Lamp: N/A
Luminaire Lumens: 1455.1 lumens
Efficiency: N/A
Efficacy: 156.5 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 9.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 14%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1212045
 CATALOG NUMBER: GKO-PB1B-840-U-T1

Iso-Footcandle Lines of Horizontal Illumination

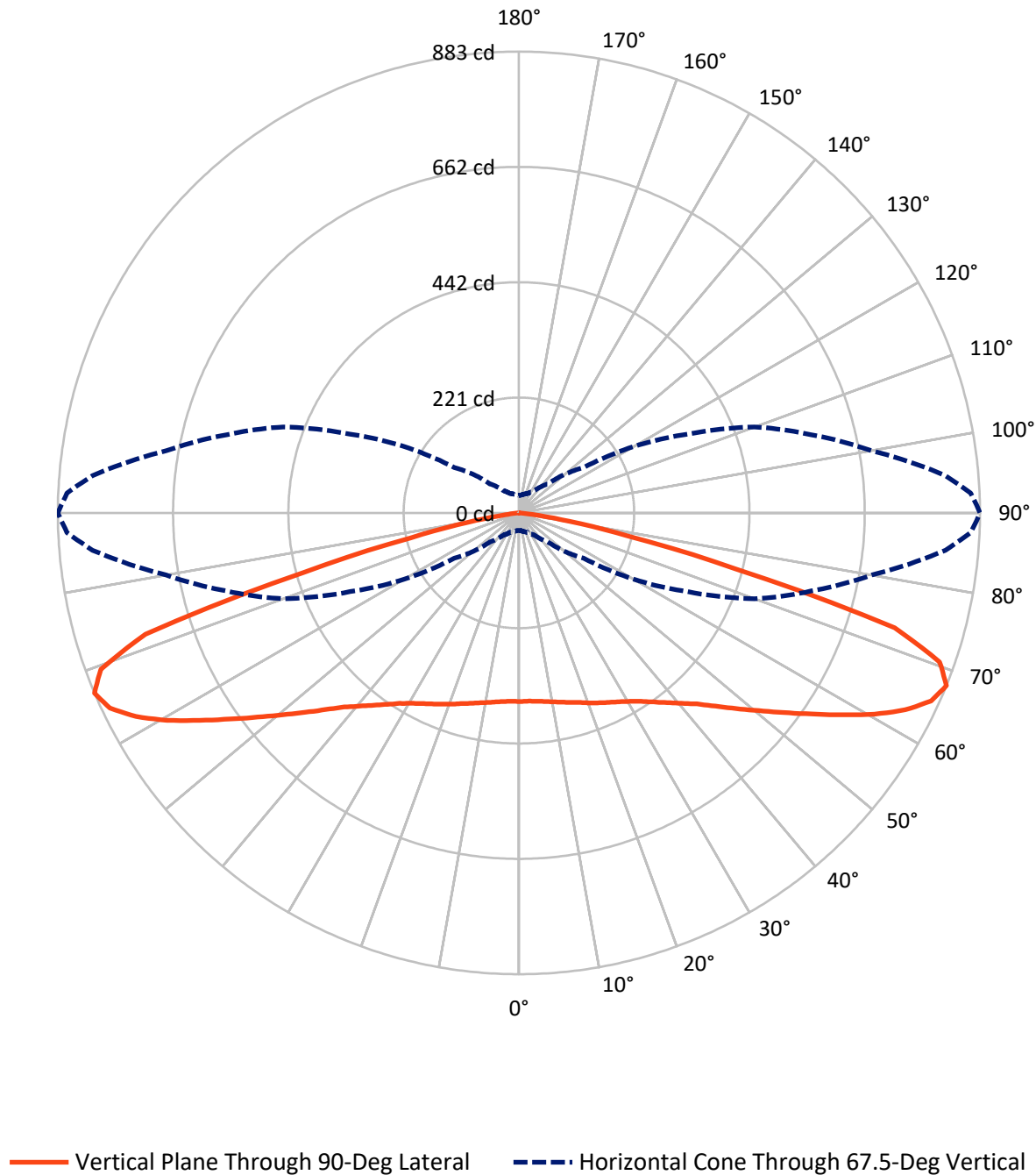
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.6 fc
 Type I - Short - N/A

REPORT NUMBER: P1212045
CATALOG NUMBER: GKO-PB1B-840-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P1212045

CATALOG NUMBER: GKO-PB1B-840-U-T1

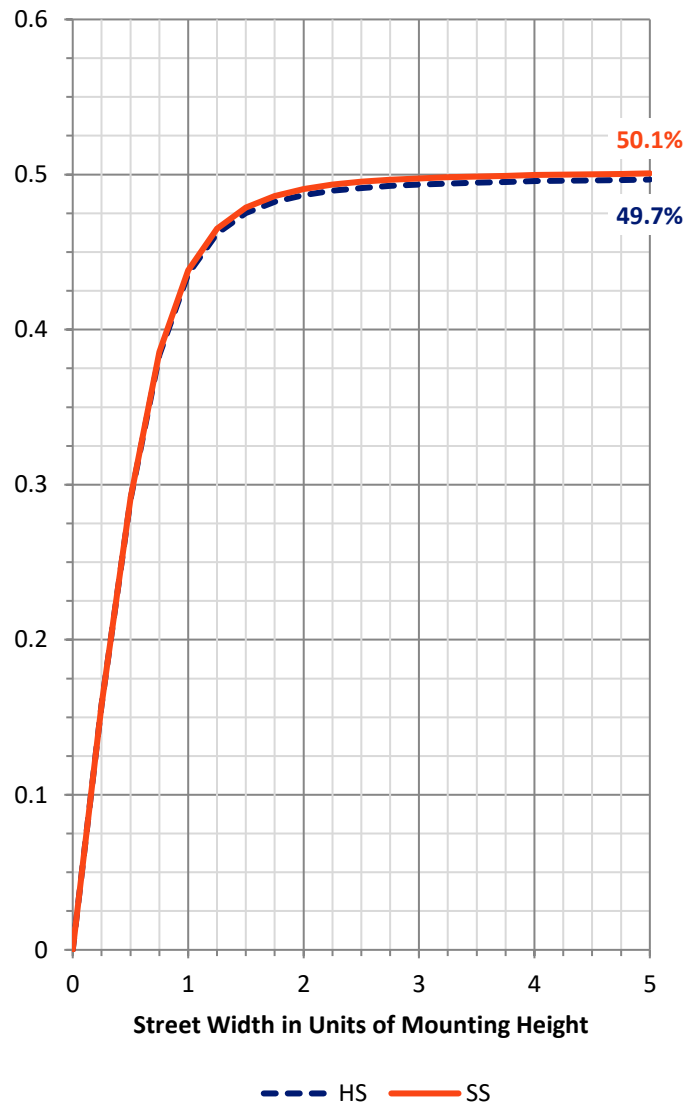
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	727.5	0.0	727.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	727.5	0.0	727.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	1455.1	0.0	1455.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.6	2.4
10°-20°	104.4	7.2
20°-30°	173.5	11.9
30°-40°	230.5	15.8
40°-50°	259.9	17.9
50°-60°	267.2	18.4
60°-70°	252.5	17.4
70°-80°	123.6	8.5
80°-90°	8.8	0.6
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°	1455.1	100.0
0°-180°	1455.1	100.0



REPORT NUMBER: P1212045

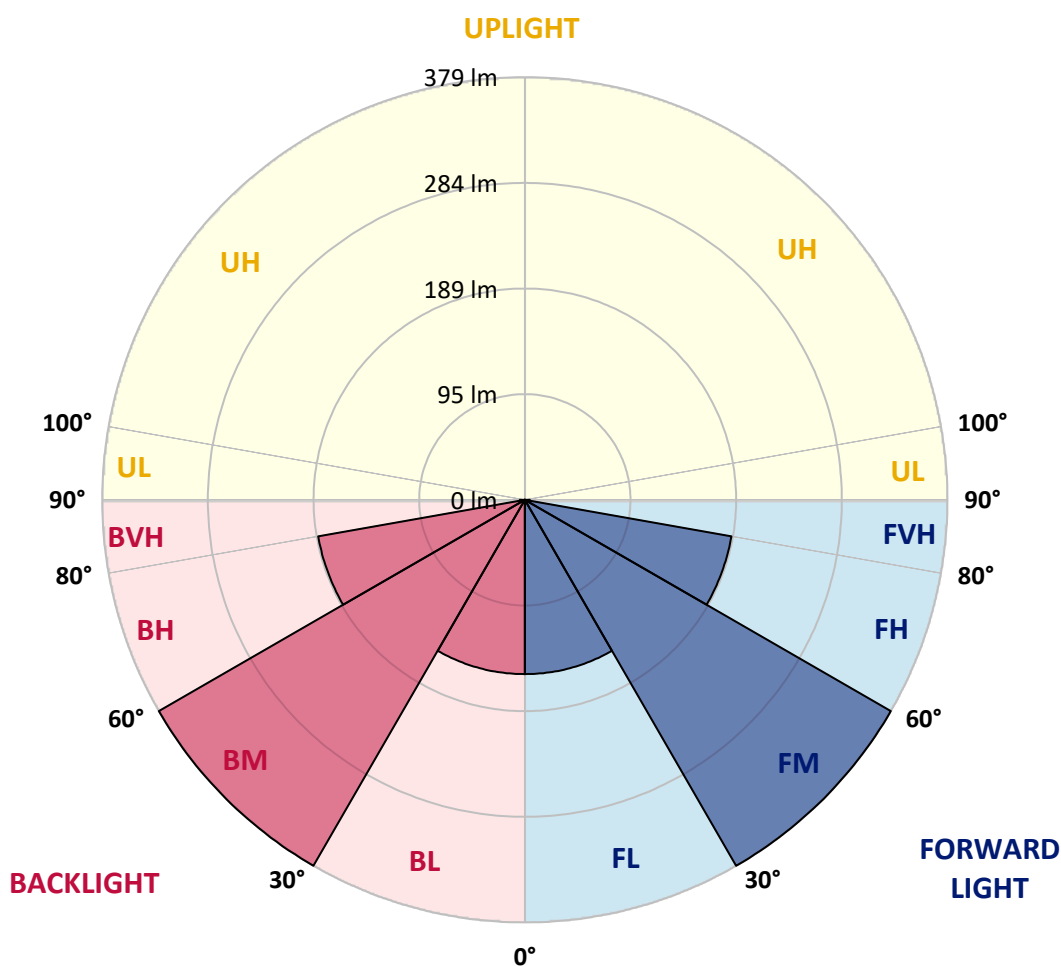
CATALOG NUMBER: GKO-PB1B-840-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	156.3	10.7			
FM	(30°-60°)	378.8	26.0			
FH	(60°-80°)	188.1	12.9			G0/660
FVH	(80°-90°)	4.4	0.3			G0/10
BL	(0°-30°)	156.3	10.7	B1/500		
BM	(30°-60°)	378.8	26.0	B1/1000		
BH	(60°-80°)	188.1	12.9	B1/500		G1/500
BVH	(80°-90°)	4.4	0.3			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type I Short



REPORT NUMBER: P1212045

CATALOG NUMBER: GKO-PB1B-840-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	361.1	361.1	361.1	361.1	361.1	361.1	361.1	361.1	361.1	361.1	361.1
2.5°	361.3	361.9	360.8	360.8	361.3	361.6	361.6	361.9	361.3	361.3	361.1
5°	361.3	361.6	361.1	361.1	361.6	362.4	362.1	362.7	362.7	362.4	362.4
7.5°	361.1	361.6	361.1	361.3	362.1	363.8	363.8	363.8	364.3	364.8	364.8
10°	360.8	361.3	361.6	361.9	363.0	365.4	365.9	366.2	367.0	367.8	367.8
12.5°	359.5	360.0	360.8	361.9	363.8	367.0	368.0	368.9	370.2	371.0	371.5
15°	357.6	357.9	359.7	361.9	364.8	368.9	371.0	372.3	374.2	375.3	376.1
17.5°	354.9	355.2	358.1	361.3	365.6	371.3	374.8	376.9	378.8	380.4	381.5
20°	351.4	352.2	355.7	360.8	367.0	373.7	378.8	382.5	384.4	386.0	387.6
22.5°	347.1	347.9	352.2	359.5	368.3	376.9	383.6	388.4	390.8	393.0	394.9
25°	340.7	341.8	346.9	356.2	368.9	380.4	389.0	395.1	397.3	400.0	401.6
27.5°	330.8	331.6	337.7	349.8	367.2	384.1	395.1	402.4	404.8	407.7	409.4
30°	315.2	316.8	324.3	339.3	363.2	387.1	402.4	409.6	412.6	415.5	417.7
32.5°	295.1	297.5	305.8	325.1	355.4	388.2	410.2	418.5	422.2	425.5	428.1
35°	270.1	272.5	282.5	306.9	343.1	386.0	417.9	428.7	433.2	437.5	440.7
37.5°	241.7	243.8	255.9	283.8	325.4	379.3	424.1	439.9	446.1	451.7	456.0
40°	213.0	215.4	228.6	258.3	303.9	366.4	426.8	452.3	460.1	467.3	472.7
42.5°	181.9	184.8	199.6	231.2	279.0	348.7	424.6	464.4	474.0	483.9	492.0
45°	154.2	154.8	170.9	201.5	251.6	325.9	417.1	475.9	489.0	503.0	514.5
47.5°	127.7	128.8	142.7	173.0	223.2	300.2	403.5	485.0	505.9	523.9	540.8
50°	104.1	105.4	118.0	145.1	194.8	272.0	384.9	490.4	520.4	544.8	568.4
52.5°	84.8	86.4	96.8	120.7	166.1	242.5	362.1	491.2	533.6	565.8	597.1
55°	70.6	71.6	79.7	98.7	138.4	211.9	336.1	487.2	542.1	584.5	626.4
57.5°	59.6	60.6	66.3	81.3	113.5	180.5	304.5	477.8	546.7	600.9	655.9
60°	51.8	52.6	56.6	67.3	93.4	151.0	270.4	461.1	545.4	611.1	680.3
62.5°	46.1	46.4	49.9	57.4	77.0	123.1	232.0	436.2	534.4	612.4	696.9
65°	41.0	41.3	43.5	48.8	63.3	99.0	192.1	401.8	513.4	603.0	699.3
67.5°	33.3	33.8	37.0	41.0	52.0	78.3	151.3	356.8	480.7	578.6	685.7
70°	26.6	26.8	30.0	34.6	42.4	61.7	116.2	296.2	429.5	538.9	650.3
72.5°	19.9	20.4	23.3	27.9	34.6	47.7	84.0	224.0	343.4	454.4	566.3
75°	15.8	16.1	17.2	21.5	26.8	36.2	56.6	135.7	206.8	281.1	347.1
77.5°	13.4	13.7	13.7	16.6	19.9	24.4	30.0	53.9	87.5	124.5	165.0
80°	11.0	11.5	10.5	12.3	14.2	14.2	13.9	25.8	41.3	58.5	76.7
82.5°	8.0	8.6	8.0	8.6	8.6	7.8	7.2	9.7	13.1	18.0	19.6
85°	5.6	5.9	6.4	5.9	5.6	4.6	3.5	2.7	1.6	1.9	2.7
87.5°	3.8	4.6	5.4	5.1	4.3	3.5	2.4	1.6	0.8	1.1	1.1
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: P1212045
 CATALOG NUMBER: GKO-PB1B-840-U-T1

CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°
0°	361.1	361.1	361.1
2.5°	361.3	361.1	360.8
5°	362.7	362.4	362.1
7.5°	364.6	364.6	364.6
10°	367.5	368.0	368.0
12.5°	371.3	371.8	371.8
15°	375.8	376.1	376.6
17.5°	381.5	381.7	381.7
20°	388.2	387.9	388.4
22.5°	394.9	394.9	394.9
25°	401.8	401.8	401.8
27.5°	409.9	409.9	409.4
30°	418.7	418.7	418.7
32.5°	429.5	429.7	430.0
35°	443.2	443.7	444.5
37.5°	458.7	460.1	460.9
40°	477.2	477.8	479.1
42.5°	497.9	499.5	499.8
45°	523.6	526.3	527.4
47.5°	553.9	557.7	559.6
50°	587.7	592.0	594.7
52.5°	624.5	631.5	634.7
55°	663.7	675.7	679.2
57.5°	707.9	724.3	729.1
60°	751.4	774.5	782.2
62.5°	788.4	820.9	830.5
65°	814.4	853.6	867.8
67.5°	819.8	866.2	883.1
70°	787.6	835.1	854.7
72.5°	684.9	727.8	752.2
75°	404.5	435.4	427.9
77.5°	203.1	211.9	213.3
80°	89.1	94.4	96.6
82.5°	22.0	22.5	25.5
85°	3.0	3.5	3.2
87.5°	1.1	1.1	1.3
90°	0.0	0.0	0.0

(END OF REPORT)