

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: P1211803

Luminaire Tested: **GKO-PB1D-840-U-T4W**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211803
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1D-840-U-T4W
Description: GEKKO WALL PACK 3500LM PACKAGE 80CRI 4000K FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC
Light Source: (10) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

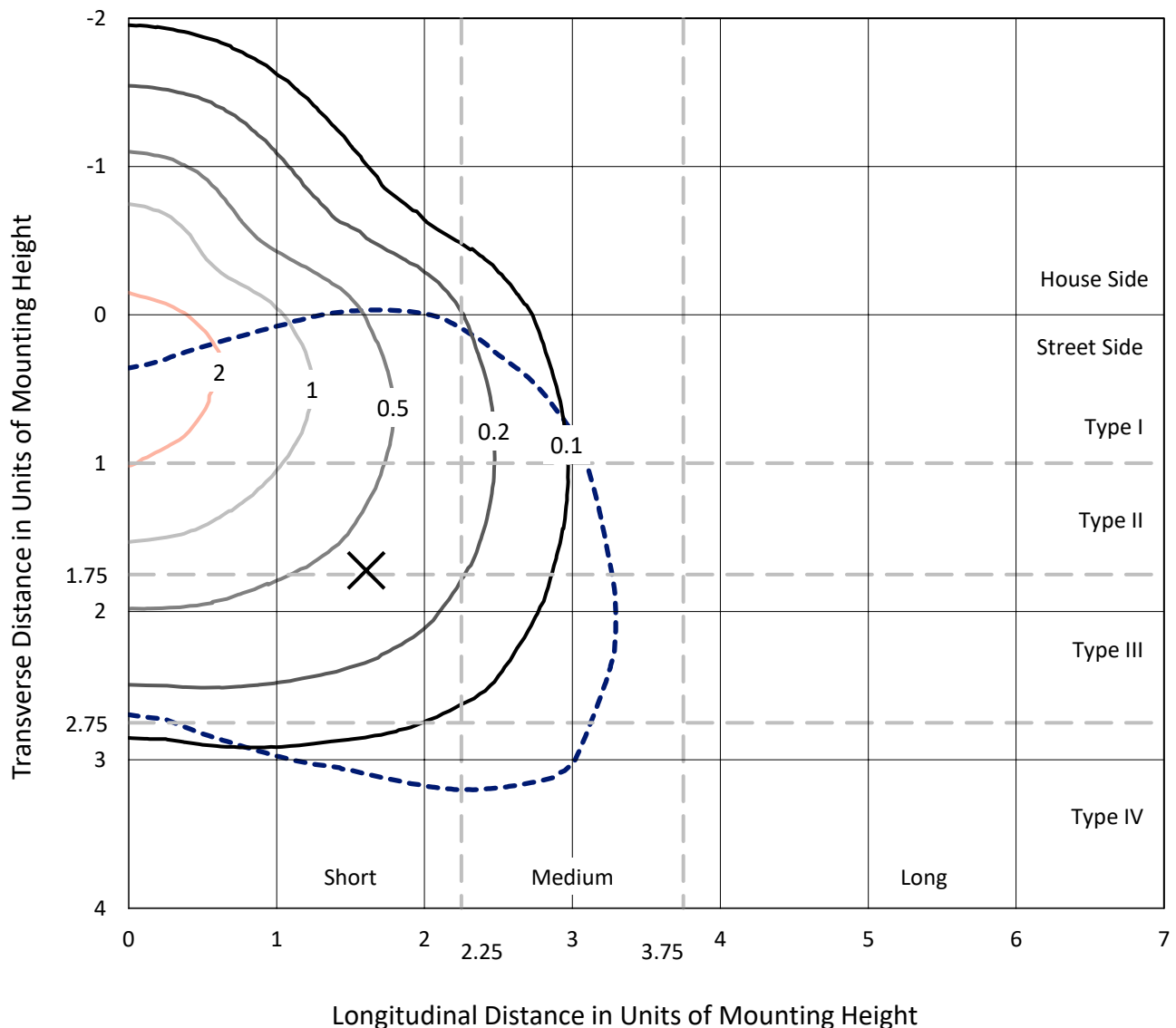
Lumens per Lamp: N/A
Luminaire Lumens: 3263.5 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

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: P1211803
 CATALOG NUMBER: GKO-PB1D-840-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

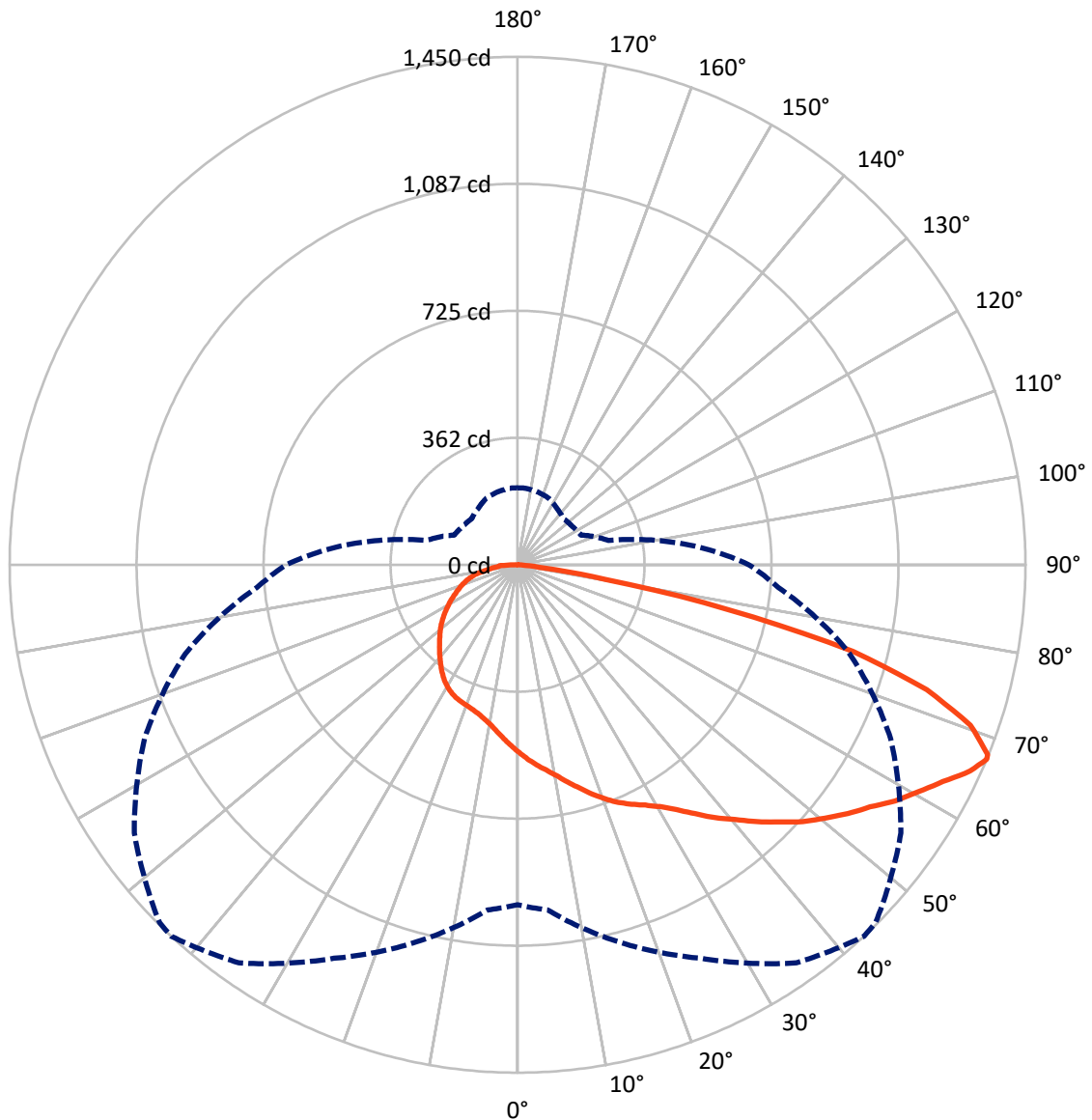
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P1211803
CATALOG NUMBER: GKO-PB1D-840-U-T4W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1211803

CATALOG NUMBER: GKO-PB1D-840-U-T4W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	877.8	0.0	877.8
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	2385.7	0.0	2385.7
	% Fixture	73.1	0.0	73.1
Total	Lumens	3263.5	0.0	3263.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.2	1.6
10°-20°	157.4	4.8
20°-30°	272.5	8.3
30°-40°	404.3	12.4
40°-50°	549.3	16.8
50°-60°	674.3	20.7
60°-70°	710.7	21.8
70°-80°	392.3	12.0
80°-90°	51.7	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°	3263.5	100.0
0°-180°	3263.5	100.0

Coefficient of Utilization



REPORT NUMBER: P1211803

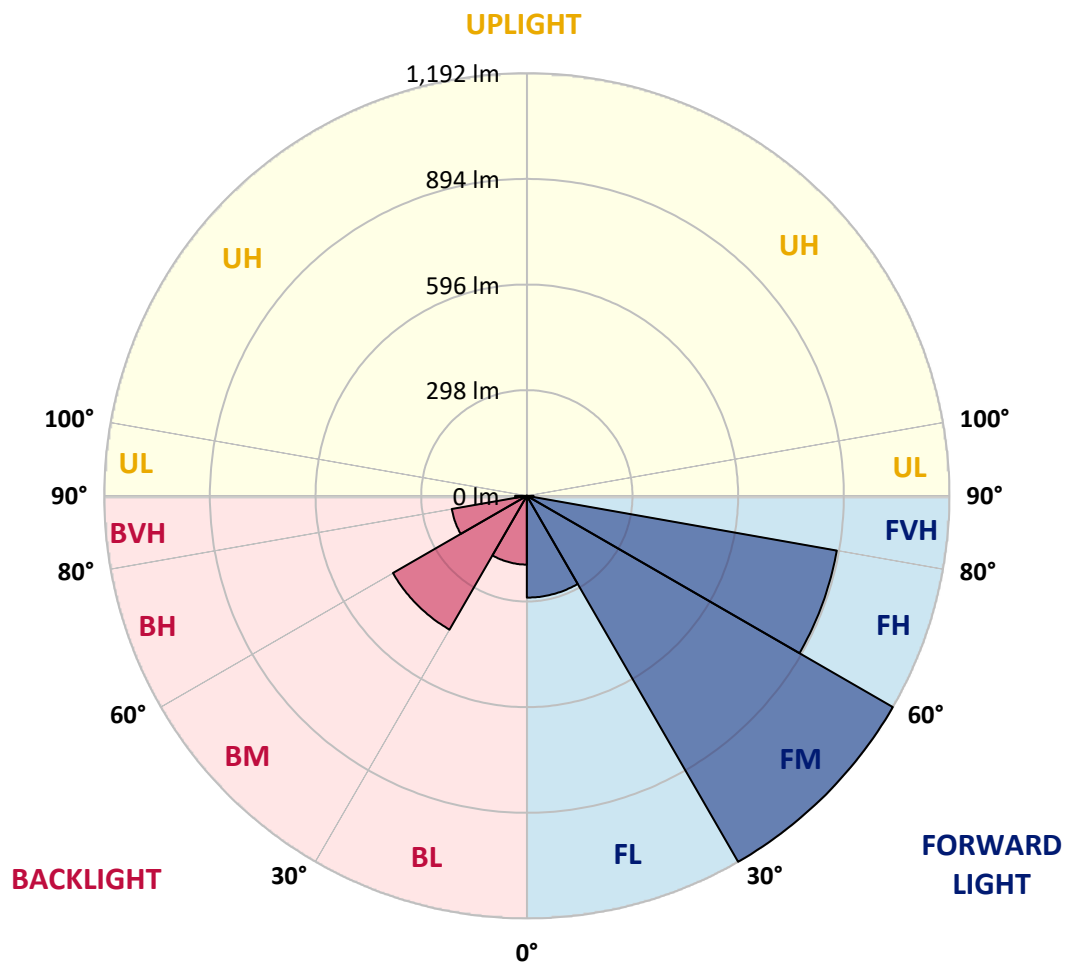
CATALOG NUMBER: GKO-PB1D-840-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	287.1	8.8			
FM	(30°-60°)	1191.9	36.5			
FH	(60°-80°)	887.8	27.2			G1/1800
FVH	(80°-90°)	18.9	0.6			G1/100
BL	(0°-30°)	193.9	5.9	B1/500		
BM	(30°-60°)	436.0	13.4	B1/1000		
BH	(60°-80°)	215.1	6.6	B1/500		G1/500
BVH	(80°-90°)	32.8	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: P1211803

CATALOG NUMBER: GKO-PB1D-840-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	535.7	535.7	535.7	535.7	535.7	535.7	535.7	535.7	535.7	535.7	535.7
2.5°	560.5	561.8	560.5	559.2	556.6	555.3	553.9	550.7	546.8	540.9	536.3
5°	585.3	585.3	583.3	582.0	578.1	574.2	572.2	564.4	555.9	546.1	537.0
7.5°	608.2	610.8	607.5	604.2	598.4	591.8	590.5	578.8	567.0	553.9	540.2
10°	636.9	638.9	634.3	631.7	620.6	612.1	609.5	595.1	579.4	563.1	545.5
12.5°	666.3	667.6	664.3	658.5	646.7	636.3	632.3	613.4	593.1	573.5	551.3
15°	691.8	693.1	691.8	685.2	674.1	661.1	655.8	634.9	610.1	584.6	558.5
17.5°	710.7	713.3	713.3	710.1	700.3	687.9	684.6	658.5	629.7	597.7	567.0
20°	727.1	728.4	731.0	729.0	723.8	713.3	708.8	683.9	649.3	612.7	575.5
22.5°	740.1	741.4	746.0	745.3	742.1	736.9	732.3	709.4	672.2	627.8	583.3
25°	763.0	762.3	764.9	763.0	759.1	757.1	754.5	734.2	695.0	645.4	593.8
27.5°	802.8	801.5	798.9	789.1	779.3	776.7	774.7	760.4	721.8	665.6	605.5
30°	861.6	862.9	850.5	828.3	808.7	800.9	798.3	788.5	751.9	689.2	618.6
32.5°	931.5	930.9	910.6	879.3	848.6	832.9	827.7	817.2	781.9	712.7	633.6
35°	981.8	980.5	970.1	942.0	910.0	872.7	862.9	846.6	813.9	739.5	648.7
37.5°	1049.8	1047.8	1027.5	998.1	969.4	915.8	904.7	882.5	844.6	765.6	665.6
40°	1127.5	1115.1	1081.8	1051.7	1012.5	955.7	946.5	917.8	879.9	797.6	685.2
42.5°	1198.0	1179.7	1136.6	1098.7	1049.8	1002.7	991.0	957.0	913.9	827.0	705.5
45°	1303.9	1259.4	1197.4	1175.2	1090.3	1047.1	1037.3	995.5	951.1	859.0	725.7
47.5°	1290.8	1259.4	1239.2	1236.6	1132.7	1095.5	1081.1	1038.0	991.0	893.0	746.6
50°	1316.3	1291.4	1292.8	1260.7	1171.3	1136.6	1126.2	1082.4	1031.5	926.3	768.9
52.5°	1311.0	1318.2	1314.3	1264.7	1208.5	1179.7	1171.9	1128.1	1070.0	958.3	788.5
55°	1352.9	1348.9	1340.4	1291.4	1249.6	1220.2	1213.7	1175.8	1109.2	985.7	805.4
57.5°	1383.6	1363.3	1362.7	1321.5	1295.4	1271.2	1260.7	1224.8	1145.8	1009.9	818.5
60°	1364.6	1340.4	1358.1	1326.1	1323.5	1314.3	1308.4	1267.9	1178.4	1028.2	823.7
62.5°	1263.4	1269.2	1321.5	1319.5	1354.2	1362.7	1356.1	1298.0	1200.0	1034.7	819.8
65°	1129.4	1147.1	1227.4	1296.0	1390.1	1419.5	1412.9	1319.5	1198.0	1019.7	793.7
67°	970.1	989.0	1114.4	1239.2	1386.8	1449.5	1445.0	1335.2	1174.5	981.2	746.6
67.5°	934.8	956.3	1081.8	1213.1	1375.1	1446.9	1443.7	1336.5	1166.7	962.9	728.4
70°	687.9	713.3	890.4	1066.1	1281.0	1371.1	1370.5	1287.5	1085.7	863.6	631.7
72.5°	428.5	451.4	634.9	831.6	1109.8	1220.9	1216.3	1121.6	934.8	704.8	498.4
75°	262.6	277.0	399.8	542.2	804.8	988.3	994.9	876.6	637.6	418.7	281.5
77.5°	160.7	176.4	252.1	334.5	491.9	614.7	616.0	486.0	327.3	228.0	154.2
80°	89.5	93.4	131.3	175.1	252.1	253.5	243.0	214.3	169.8	109.7	79.0
82.5°	35.3	37.9	56.8	70.5	71.9	75.1	69.9	63.4	53.6	35.3	24.8
85°	0.0	0.0	0.0	1.3	4.6	9.1	9.1	6.5	2.6	2.0	2.0
87.5°	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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: P1211803

CATALOG NUMBER: GKO-PB1D-840-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	535.7	535.7	535.7	535.7	535.7	535.7	535.7	535.7	535.7	535.7	535.7
2.5°	535.0	534.3	529.8	524.5	520.6	517.4	514.1	510.2	510.2	511.5	510.8
5°	533.7	530.4	521.9	512.8	505.6	499.1	493.2	488.0	487.3	488.0	488.6
7.5°	534.3	528.5	515.4	501.7	489.9	481.4	472.9	469.0	468.4	468.4	468.4
10°	537.0	528.5	510.8	491.9	477.5	465.1	456.0	452.0	452.7	453.3	454.0
12.5°	541.5	529.8	507.6	483.4	465.1	452.7	443.5	440.3	442.9	446.2	446.8
15°	546.1	532.4	504.3	476.2	455.3	441.6	435.1	434.4	439.0	444.9	446.2
17.5°	551.3	534.3	500.4	467.1	444.9	433.7	430.5	432.4	439.6	448.8	450.7
20°	556.6	537.0	495.8	458.6	435.1	427.2	429.2	435.1	444.2	455.3	457.3
22.5°	561.8	538.9	489.9	448.1	424.6	422.0	429.2	439.0	448.1	460.5	463.1
25°	567.7	541.5	482.7	435.1	414.2	416.1	428.5	440.3	450.1	463.1	466.4
27.5°	576.8	545.5	475.6	423.3	402.4	408.9	425.3	439.6	450.1	462.5	466.4
30°	586.0	549.4	469.7	410.9	390.6	399.1	418.7	436.4	446.8	457.9	463.1
32.5°	596.4	554.6	464.5	398.5	377.6	388.0	409.6	429.2	441.6	451.4	456.6
35°	607.5	562.4	460.5	387.4	364.5	373.7	395.9	420.0	432.4	441.6	446.2
37.5°	621.9	570.9	457.9	376.3	350.8	358.6	381.5	407.0	421.3	428.5	434.4
40°	637.6	583.3	457.9	367.1	337.7	342.9	366.5	393.9	408.3	414.2	420.0
42.5°	653.2	595.8	457.3	358.0	324.0	327.9	351.4	379.5	393.2	397.8	402.4
45°	671.5	610.1	456.6	347.5	309.0	312.9	337.1	365.2	378.2	382.1	386.1
47.5°	691.1	624.5	454.0	334.5	295.3	298.5	322.7	348.8	361.9	366.5	370.4
50°	708.8	638.2	447.5	319.4	282.9	286.1	307.7	329.2	341.0	346.2	350.1
52.5°	724.4	648.0	437.0	302.4	269.1	273.1	289.4	308.3	317.5	321.4	324.0
55°	736.9	653.2	420.0	286.1	256.1	258.0	271.1	288.1	295.3	295.9	297.9
57.5°	745.3	652.6	397.2	267.2	243.0	243.7	252.8	267.8	273.1	272.4	273.7
60°	747.3	644.1	369.7	249.5	229.9	228.0	237.1	247.6	250.8	253.5	256.7
62.5°	739.5	623.8	338.4	231.9	216.9	213.6	220.1	229.3	234.5	235.8	237.1
65°	710.7	586.6	300.5	213.6	203.8	197.9	205.1	218.2	226.7	229.3	228.6
67°	660.4	534.3	267.8	199.9	190.7	185.5	196.0	209.7	215.6	219.5	219.5
67.5°	644.1	515.4	256.7	195.3	187.5	182.9	192.7	205.8	213.6	218.2	218.2
70°	546.8	422.6	216.9	172.5	168.5	169.2	180.9	195.3	205.1	209.7	209.7
72.5°	416.8	327.3	176.4	150.2	148.9	153.5	168.5	181.6	194.0	201.8	201.2
75°	236.5	188.8	128.7	122.8	128.0	137.2	156.1	170.5	181.6	189.4	188.8
77.5°	137.8	113.7	88.8	84.3	99.3	120.2	139.8	158.1	165.9	168.5	166.6
80°	69.9	59.4	55.5	57.5	66.6	89.5	122.2	143.7	149.6	151.6	149.6
82.5°	22.2	20.3	22.2	29.4	44.4	70.5	98.6	130.0	137.2	137.2	136.5
85°	1.3	1.3	1.3	13.1	30.7	52.3	77.1	113.7	128.7	127.4	125.4
87.5°	0.7	0.7	0.7	8.5	24.2	43.8	67.9	103.2	122.8	113.7	107.1
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)