

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: P1211783

Luminaire Tested: **GKO-PB1D-830-U-T4W**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211783
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1D-830-U-T4W
Description: GEKKO WALL PACK 3500LM PACKAGE 80CRI 3000K FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC
Light Source: (10) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

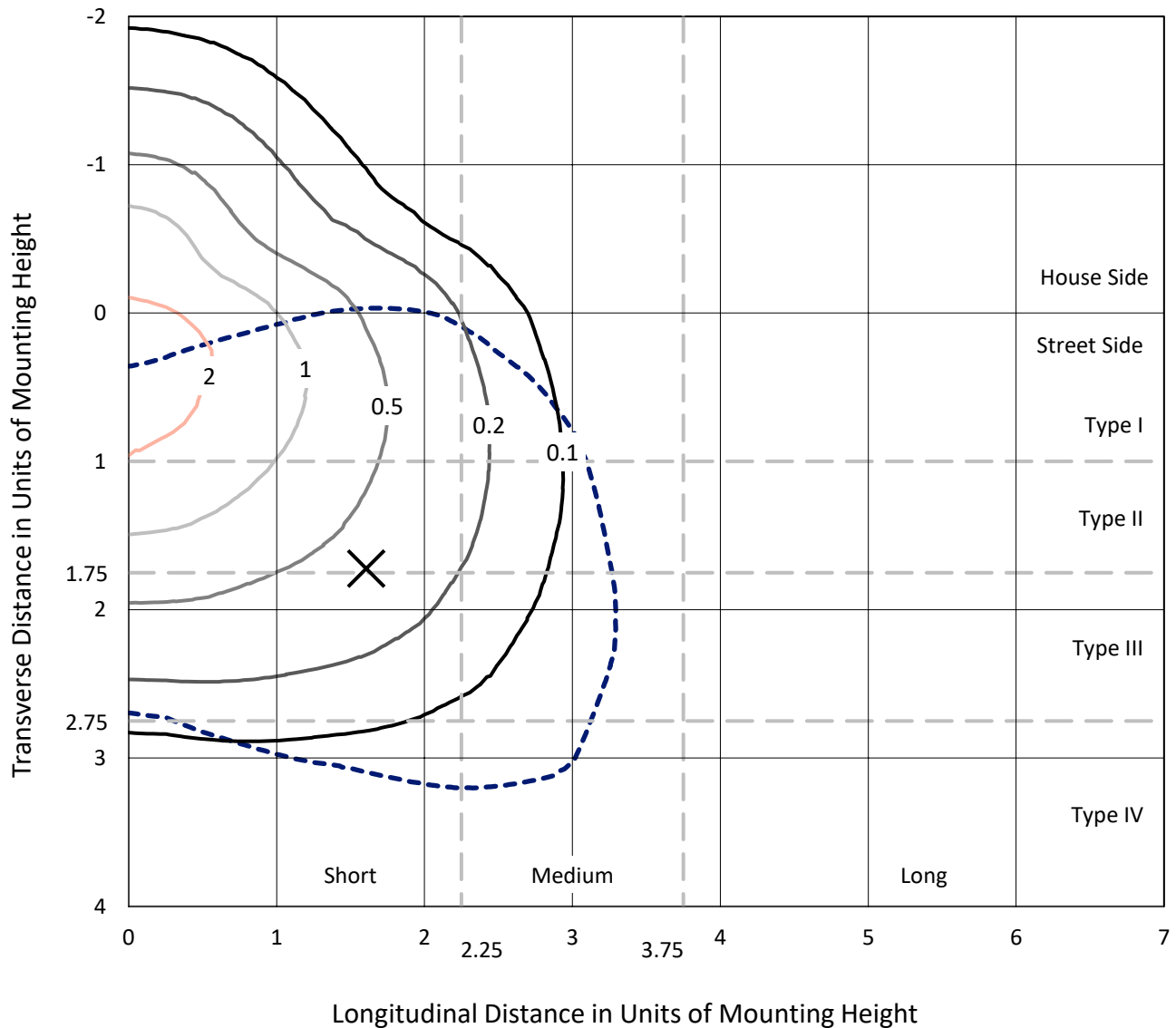
Lumens per Lamp: N/A
Luminaire Lumens: 3111.6 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

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

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Iso-Footcandle Lines of Horizontal Illumination

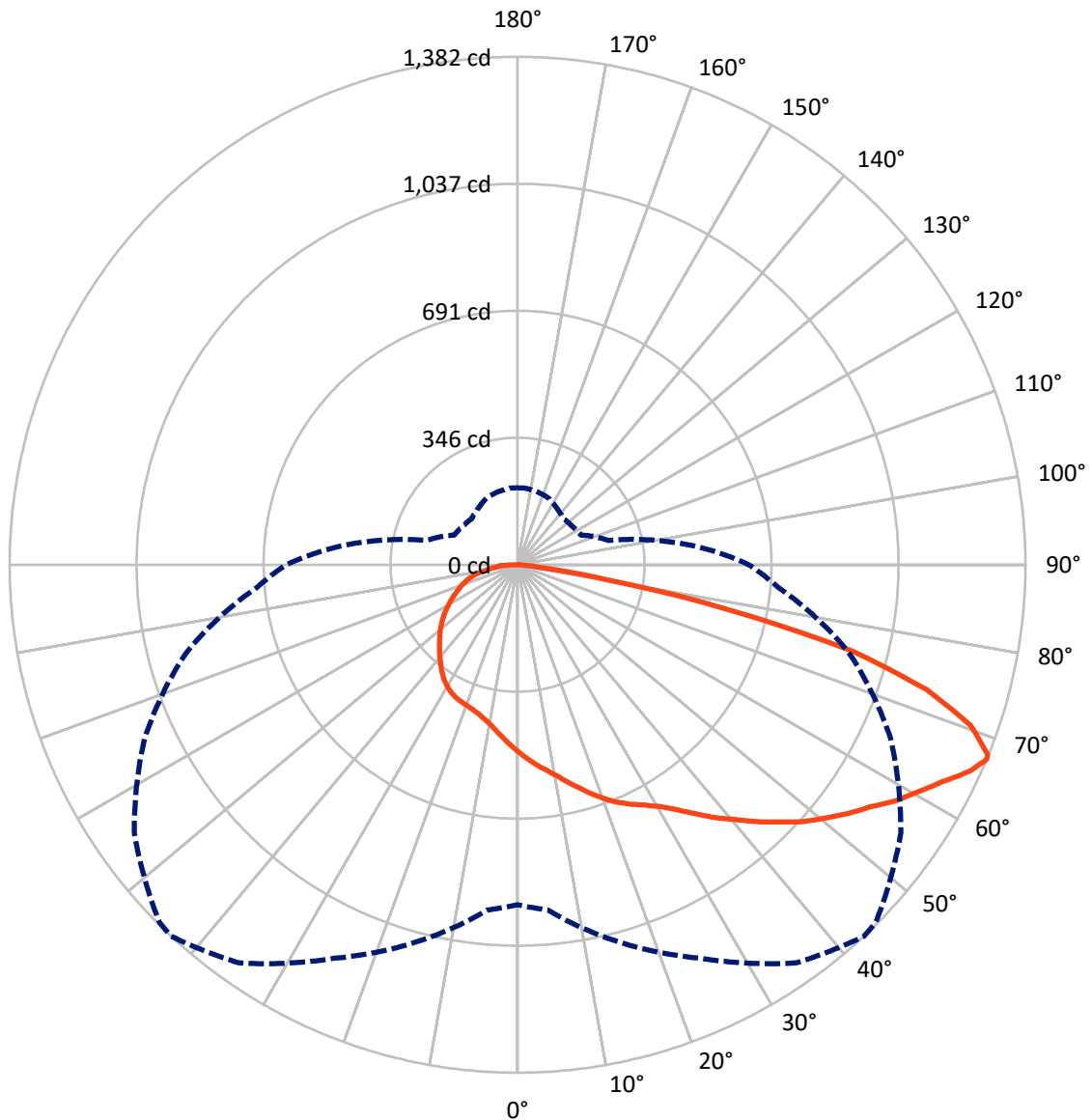
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	836.9	0.0	836.9
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	2274.7	0.0	2274.7
	% Fixture	73.1	0.0	73.1
Total	Lumens	3111.6	0.0	3111.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.8	1.6
10°-20°	150.0	4.8
20°-30°	259.8	8.3
30°-40°	385.5	12.4
40°-50°	523.7	16.8
50°-60°	642.9	20.7
60°-70°	677.6	21.8
70°-80°	374.0	12.0
80°-90°	49.3	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°	3111.6	100.0
0°-180°	3111.6	100.0



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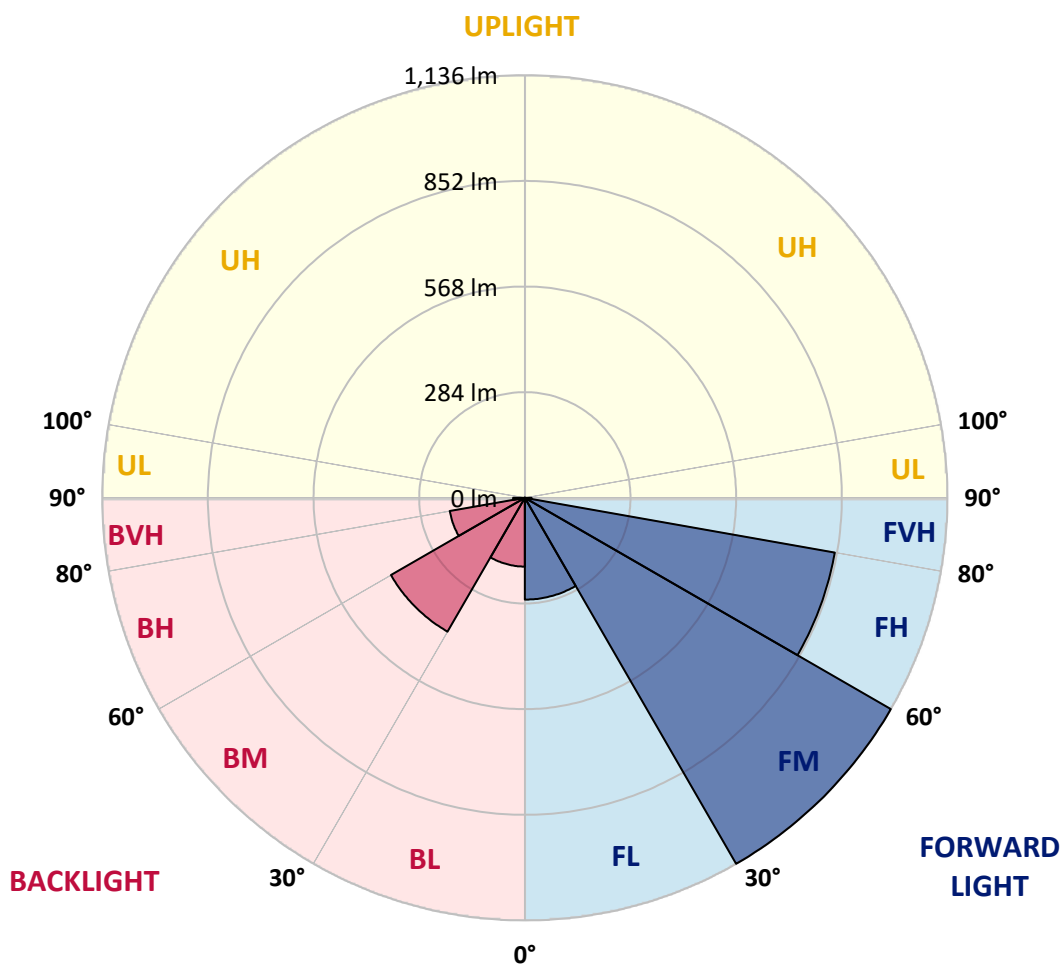
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	273.7	8.8			
FM	(30°-60°)	1136.5	36.5			
FH	(60°-80°)	846.5	27.2			G1/1800
FVH	(80°-90°)	18.0	0.6			G1/100
BL	(0°-30°)	184.9	5.9	B1/500		
BM	(30°-60°)	415.7	13.4	B1/1000		
BH	(60°-80°)	205.1	6.6	B1/500		G1/500
BVH	(80°-90°)	31.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	510.7	510.7	510.7	510.7	510.7	510.7	510.7	510.7	510.7	510.7	510.7
2.5°	534.4	535.6	534.4	533.1	530.7	529.4	528.2	525.1	521.3	515.7	511.3
5°	558.1	558.1	556.2	554.9	551.2	547.5	545.6	538.1	530.0	520.7	512.0
7.5°	579.9	582.4	579.2	576.1	570.5	564.3	563.0	551.8	540.6	528.2	515.1
10°	607.3	609.1	604.8	602.3	591.7	583.6	581.1	567.4	552.5	536.9	520.1
12.5°	635.3	636.5	633.4	627.8	616.6	606.6	602.9	584.8	565.5	546.9	525.7
15°	659.6	660.8	659.6	653.4	642.8	630.3	625.3	605.4	581.7	557.4	532.5
17.5°	677.6	680.1	680.1	677.0	667.7	655.8	652.7	627.8	600.4	569.9	540.6
20°	693.2	694.5	697.0	695.1	690.1	680.1	675.8	652.1	619.1	584.2	548.7
22.5°	705.7	706.9	711.3	710.7	707.5	702.6	698.2	676.4	640.9	598.5	556.2
25°	727.5	726.9	729.3	727.5	723.7	721.9	719.4	700.1	662.7	615.4	566.2
27.5°	765.5	764.2	761.7	752.4	743.0	740.6	738.7	725.0	688.2	634.7	577.4
30°	821.5	822.8	810.9	789.8	771.1	763.6	761.1	751.8	716.9	657.1	589.8
32.5°	888.2	887.5	868.2	838.3	809.1	794.1	789.1	779.2	745.5	679.5	604.2
35°	936.1	934.9	924.9	898.1	867.6	832.1	822.8	807.2	776.1	705.1	618.5
37.5°	1000.9	999.0	979.7	951.7	924.3	873.2	862.6	841.5	805.3	730.0	634.7
40°	1075.0	1063.2	1031.4	1002.8	965.4	911.2	902.5	875.1	839.0	760.5	653.4
42.5°	1142.3	1124.8	1083.7	1047.6	1000.9	956.1	944.8	912.5	871.3	788.5	672.7
45°	1243.2	1200.8	1141.7	1120.5	1039.5	998.4	989.1	949.2	906.9	819.0	692.0
47.5°	1230.7	1200.8	1181.5	1179.0	1080.0	1044.5	1030.8	989.7	944.8	851.4	711.9
50°	1255.0	1231.3	1232.6	1202.1	1116.7	1083.7	1073.8	1032.0	983.5	883.2	733.1
52.5°	1250.0	1256.9	1253.1	1205.8	1152.2	1124.8	1117.4	1075.6	1020.2	913.7	751.8
55°	1289.9	1286.2	1278.1	1231.3	1191.5	1163.5	1157.2	1121.1	1057.6	939.9	768.0
57.5°	1319.2	1299.9	1299.2	1260.0	1235.1	1212.0	1202.1	1167.8	1092.5	962.9	780.4
60°	1301.1	1278.1	1294.9	1264.4	1261.9	1253.1	1247.5	1208.9	1123.6	980.3	785.4
62.5°	1204.6	1210.2	1260.0	1258.1	1291.1	1299.2	1293.0	1237.6	1144.2	986.6	781.7
65°	1076.9	1093.7	1170.3	1235.7	1325.4	1353.4	1347.2	1258.1	1142.3	972.2	756.7
67°	924.9	943.0	1062.6	1181.5	1322.3	1382.1	1377.7	1273.1	1119.9	935.5	711.9
67.5°	891.3	911.8	1031.4	1156.6	1311.1	1379.6	1376.5	1274.3	1112.4	918.1	694.5
70°	655.8	680.1	848.9	1016.5	1221.4	1307.3	1306.7	1227.6	1035.2	823.4	602.3
72.5°	408.6	430.4	605.4	792.9	1058.2	1164.1	1159.7	1069.4	891.3	672.0	475.2
75°	250.4	264.1	381.2	517.0	767.3	942.4	948.6	835.8	607.9	399.2	268.4
77.5°	153.2	168.2	240.4	318.9	469.0	586.1	587.3	463.4	312.0	217.4	147.0
80°	85.3	89.1	125.2	166.9	240.4	241.7	231.7	204.3	161.9	104.6	75.4
82.5°	33.6	36.1	54.2	67.3	68.5	71.6	66.6	60.4	51.1	33.6	23.7
85°	0.0	0.0	0.0	1.2	4.4	8.7	8.7	6.2	2.5	1.9	1.9
87.5°	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	510.7	510.7	510.7	510.7	510.7	510.7	510.7	510.7	510.7	510.7	510.7
2.5°	510.1	509.5	505.1	500.1	496.4	493.3	490.2	486.4	486.4	487.7	487.1
5°	508.9	505.7	497.6	488.9	482.1	475.8	470.2	465.3	464.6	465.3	465.9
7.5°	509.5	503.9	491.4	478.3	467.1	459.0	450.9	447.2	446.6	446.6	446.6
10°	512.0	503.9	487.1	469.0	455.3	443.5	434.7	431.0	431.6	432.2	432.9
12.5°	516.3	505.1	483.9	460.9	443.5	431.6	422.9	419.8	422.3	425.4	426.0
15°	520.7	507.6	480.8	454.0	434.1	421.0	414.8	414.2	418.5	424.2	425.4
17.5°	525.7	509.5	477.1	445.3	424.2	413.6	410.4	412.3	419.2	427.9	429.8
20°	530.7	512.0	472.7	437.2	414.8	407.3	409.2	414.8	423.5	434.1	436.0
22.5°	535.6	513.8	467.1	427.3	404.8	402.4	409.2	418.5	427.3	439.1	441.6
25°	541.2	516.3	460.3	414.8	394.9	396.7	408.6	419.8	429.1	441.6	444.7
27.5°	550.0	520.1	453.4	403.6	383.7	389.9	405.5	419.2	429.1	441.0	444.7
30°	558.7	523.8	447.8	391.8	372.5	380.6	399.2	416.1	426.0	436.6	441.6
32.5°	568.6	528.8	442.8	379.9	360.0	370.0	390.5	409.2	421.0	430.4	435.4
35°	579.2	536.3	439.1	369.3	347.5	356.3	377.4	400.5	412.3	421.0	425.4
37.5°	592.9	544.4	436.6	358.8	334.5	341.9	363.7	388.0	401.7	408.6	414.2
40°	607.9	556.2	436.6	350.0	322.0	327.0	349.4	375.6	389.3	394.9	400.5
42.5°	622.8	568.0	436.0	341.3	308.9	312.7	335.1	361.9	374.9	379.3	383.7
45°	640.3	581.7	435.4	331.3	294.6	298.3	321.4	348.2	360.6	364.4	368.1
47.5°	659.0	595.4	432.9	318.9	281.5	284.6	307.7	332.6	345.1	349.4	353.1
50°	675.8	608.5	426.6	304.6	269.7	272.8	293.4	313.9	325.1	330.1	333.8
52.5°	690.7	617.9	416.7	288.4	256.6	260.3	275.9	294.0	302.7	306.4	308.9
55°	702.6	622.8	400.5	272.8	244.2	246.0	258.5	274.7	281.5	282.1	284.0
57.5°	710.7	622.2	378.7	254.7	231.7	232.3	241.0	255.4	260.3	259.7	261.0
60°	712.5	614.1	352.5	237.9	219.2	217.4	226.1	236.1	239.2	241.7	244.8
62.5°	705.1	594.8	322.6	221.1	206.8	203.7	209.9	218.6	223.6	224.8	226.1
65°	677.6	559.3	286.5	203.7	194.3	188.7	195.6	208.0	216.1	218.6	218.0
67°	629.7	509.5	255.4	190.6	181.9	176.9	186.9	199.9	205.5	209.3	209.3
67.5°	614.1	491.4	244.8	186.2	178.8	174.4	183.7	196.2	203.7	208.0	208.0
70°	521.3	403.0	206.8	164.4	160.7	161.3	172.5	186.2	195.6	199.9	199.9
72.5°	397.4	312.0	168.2	143.3	142.0	146.4	160.7	173.1	185.0	192.5	191.8
75°	225.5	180.0	122.7	117.1	122.1	130.8	148.9	162.6	173.1	180.6	180.0
77.5°	131.4	108.4	84.7	80.3	94.7	114.6	133.3	150.7	158.2	160.7	158.8
80°	66.6	56.7	52.9	54.8	63.5	85.3	116.5	137.0	142.6	144.5	142.6
82.5°	21.2	19.3	21.2	28.0	42.4	67.3	94.0	123.9	130.8	130.8	130.2
85°	1.2	1.2	1.2	12.5	29.3	49.8	73.5	108.4	122.7	121.5	119.6
87.5°	0.6	0.6	0.6	8.1	23.0	41.7	64.8	98.4	117.1	108.4	102.1
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)