

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: P1211983

Luminaire Tested: **GKO-PB1D-840-U-T2U**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211983
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-T2U
Description: GEKKO WALL PACK 3500LM PACKAGE 80CRI 4000K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source: (10) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

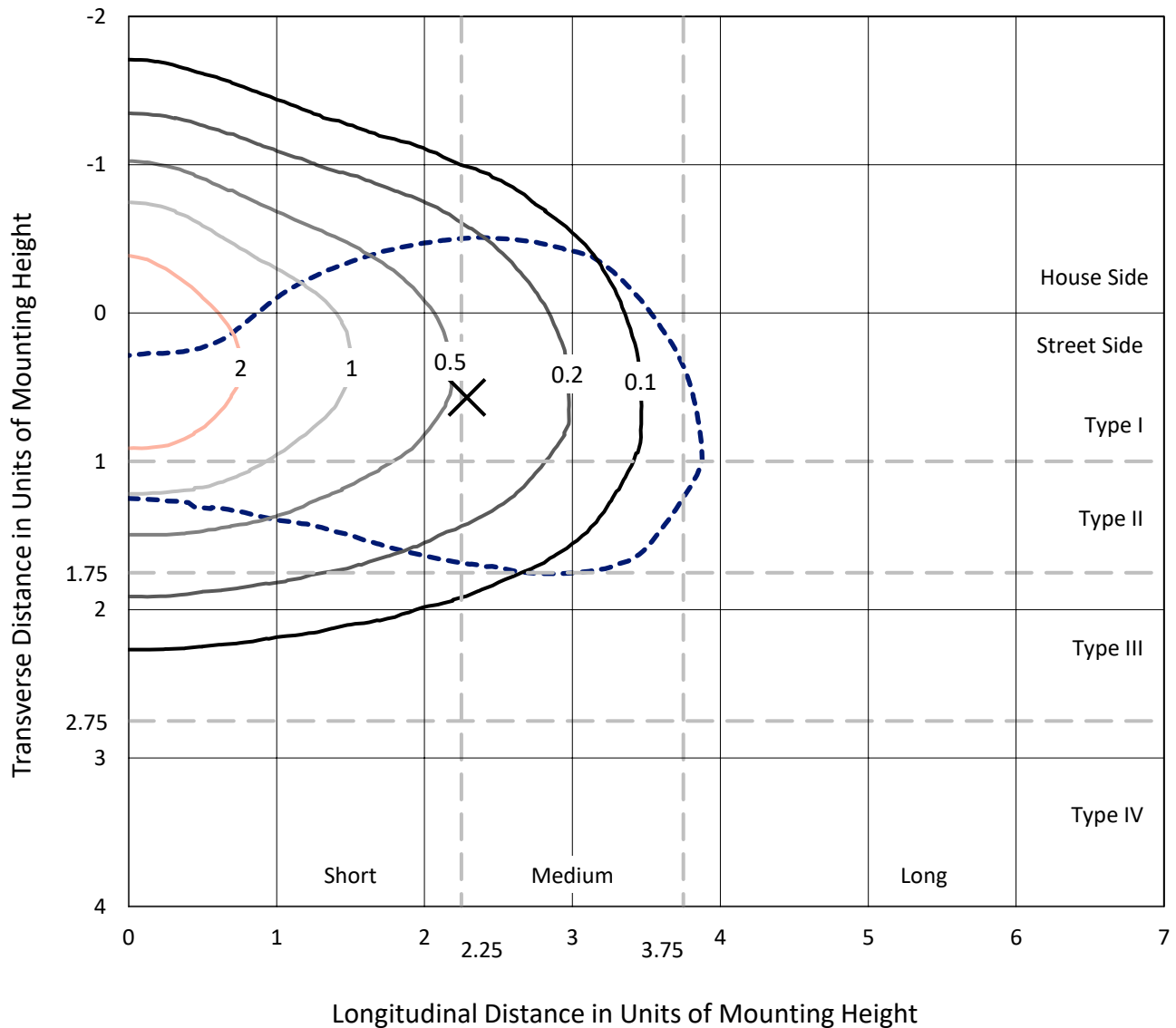
Lumens per Lamp: N/A
Luminaire Lumens: 3377.8 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

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: P1211983
 CATALOG NUMBER: GKO-PB1D-840-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

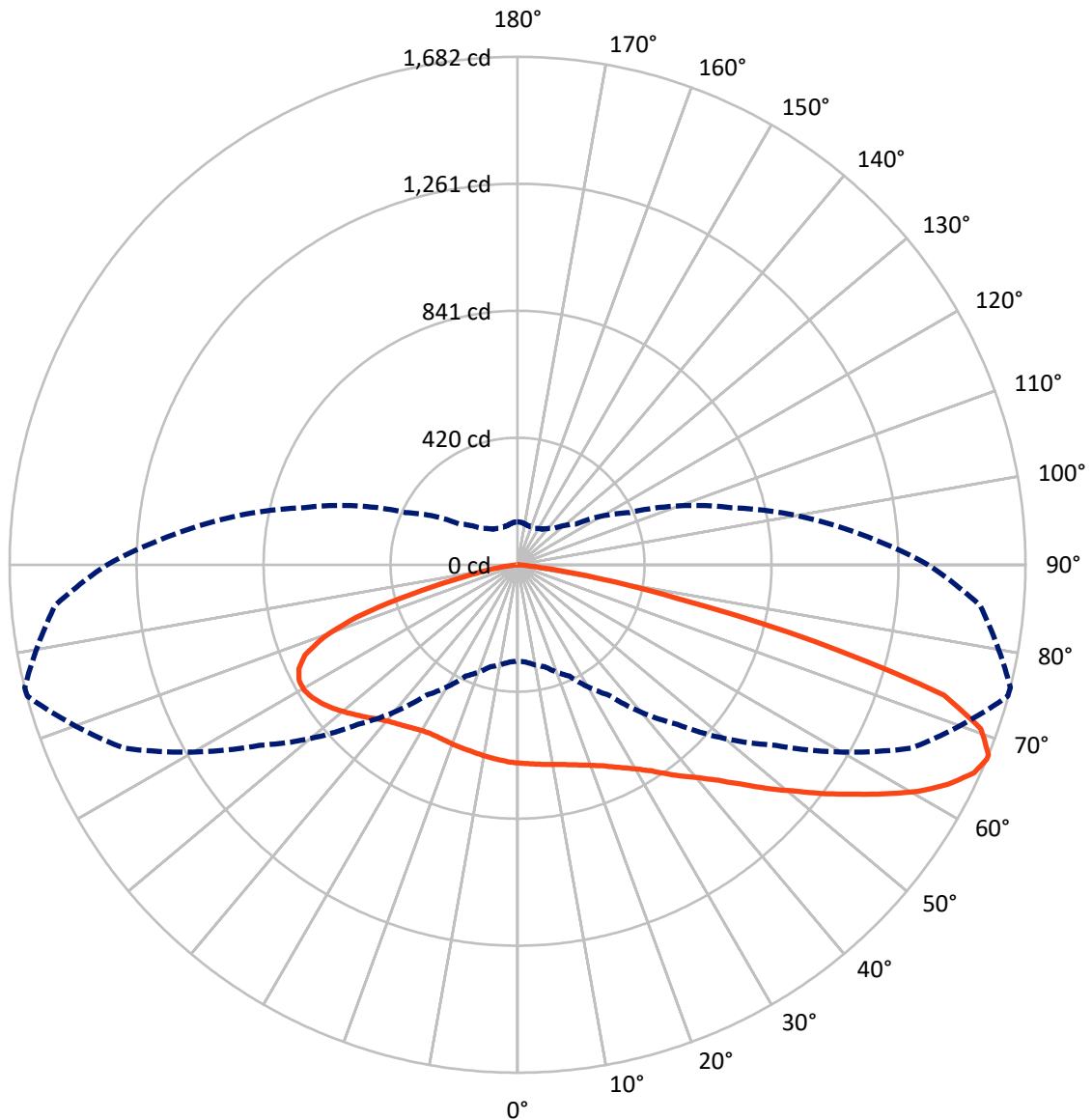
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P1211983
CATALOG NUMBER: GKO-PB1D-840-U-T2U

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P1211983

CATALOG NUMBER: GKO-PB1D-840-U-T2U

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1114.4	0.0	1114.4
	% Fixture	33.0	0.0	33.0
Street Side	Lumens	2263.4	0.0	2263.4
	% Fixture	67.0	0.0	67.0
Total	Lumens	3377.8	0.0	3377.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.1	1.9
10°-20°	193.1	5.7
20°-30°	332.2	9.8
30°-40°	477.3	14.1
40°-50°	605.4	17.9
50°-60°	664.8	19.7
60°-70°	644.7	19.1
70°-80°	356.0	10.5
80°-90°	41.3	1.2
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°	3377.8	100.0
0°-180°	3377.8	100.0

Coefficient of Utilization



REPORT NUMBER: P1211983

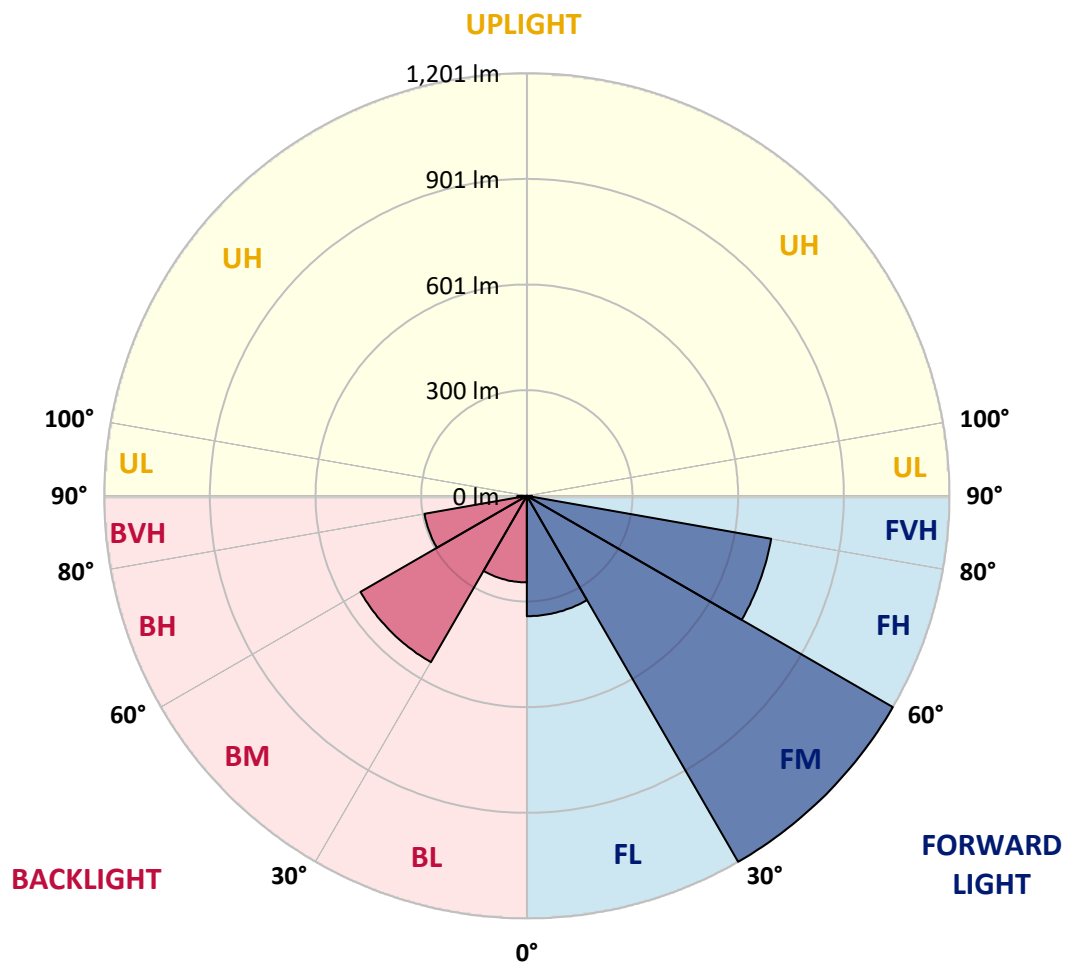
CATALOG NUMBER: GKO-PB1D-840-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	342.2	10.1			
FM	(30°-60°)	1201.4	35.6			
FH	(60°-80°)	705.3	20.9			G1/1800
FVH	(80°-90°)	14.6	0.4			G1/100
BL	(0°-30°)	246.2	7.3	B1/500		
BM	(30°-60°)	546.1	16.2	B1/1000		
BH	(60°-80°)	295.4	8.7	B1/500		G1/500
BVH	(80°-90°)	26.7	0.8			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 II Medium



REPORT NUMBER: P1211983

CATALOG NUMBER: GKO-PB1D-840-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	656.6	656.6	656.6	656.6	656.6	656.6	656.6	656.6	656.6	656.6	656.6
2.5°	676.2	675.6	674.9	674.9	672.3	669.7	667.1	665.1	659.9	659.2	656.6
5°	696.5	696.5	694.5	693.9	689.9	683.4	677.5	671.6	664.5	663.1	657.3
7.5°	722.6	722.6	719.3	716.7	710.8	700.4	689.9	679.5	669.0	667.7	658.6
10°	755.9	755.9	753.3	747.4	735.0	721.3	704.3	688.0	674.3	672.9	659.9
12.5°	790.5	791.2	787.3	778.8	763.8	742.9	721.9	698.4	680.8	678.8	662.5
15°	825.8	826.5	823.9	814.7	794.5	769.0	740.9	712.8	689.3	687.3	666.4
17.5°	860.5	861.8	859.1	848.7	825.2	797.7	763.1	727.8	699.7	697.1	672.9
20°	893.1	893.1	893.1	881.4	858.5	827.1	787.3	746.1	711.5	708.9	680.8
22.5°	922.5	923.8	925.8	919.3	893.1	858.5	815.4	766.4	726.5	723.3	690.6
25°	951.9	952.6	957.8	953.2	927.7	891.8	845.4	791.9	744.8	741.5	702.3
27.5°	985.9	987.9	991.1	989.2	960.4	925.1	878.7	819.9	765.1	761.8	716.7
30°	1025.8	1025.8	1027.7	1024.4	995.7	960.4	912.1	849.3	790.5	785.3	734.4
32.5°	1058.4	1061.7	1060.4	1059.1	1029.0	993.7	946.0	882.0	819.9	813.4	758.5
35°	1089.1	1089.8	1089.1	1090.4	1060.4	1027.1	982.0	919.9	852.6	850.0	789.2
37.5°	1106.8	1108.1	1111.3	1115.3	1088.5	1057.1	1017.9	961.7	893.1	888.5	825.8
40°	1115.3	1117.2	1134.9	1140.7	1112.0	1085.9	1055.8	999.6	932.3	927.1	862.4
42.5°	1128.3	1144.0	1153.2	1154.5	1129.6	1106.8	1088.5	1042.7	980.7	976.1	911.4
45°	1085.2	1079.3	1103.5	1131.6	1130.3	1120.5	1119.8	1091.1	1040.1	1035.6	967.0
47.5°	1031.0	1026.4	1039.5	1080.6	1110.0	1126.4	1150.5	1147.9	1112.0	1105.5	1031.6
50°	901.6	909.5	973.5	1029.7	1080.6	1128.3	1176.7	1207.4	1181.9	1176.7	1100.2
52.5°	780.7	786.0	829.7	963.7	1042.7	1122.4	1199.5	1270.1	1263.6	1257.7	1175.4
55°	695.8	701.0	770.9	856.5	986.6	1092.4	1214.6	1329.6	1346.5	1340.7	1255.1
57.5°	607.0	615.5	663.1	738.3	911.4	1042.7	1219.8	1389.7	1436.7	1431.5	1331.5
60°	521.4	533.1	561.2	642.9	818.6	983.9	1206.1	1438.0	1523.6	1523.6	1410.6
62.5°	442.3	448.8	478.2	552.1	701.0	908.8	1171.4	1468.7	1603.3	1600.0	1479.8
65°	377.0	380.2	403.8	467.1	602.4	825.8	1111.3	1466.8	1660.1	1660.8	1525.6
67°	318.2	323.4	349.5	407.0	527.2	747.4	1042.1	1437.4	1680.4	1681.7	1536.7
67.5°	297.9	303.8	332.6	392.0	511.6	725.9	1025.8	1424.9	1679.1	1681.7	1533.4
70°	205.2	206.5	254.8	322.8	420.8	611.5	912.7	1338.7	1629.4	1627.5	1462.2
72.5°	130.7	128.7	175.1	235.9	338.4	495.2	770.3	1187.8	1478.5	1476.6	1289.0
75°	86.9	88.9	118.3	168.6	237.8	382.9	600.4	896.4	1027.1	1019.2	850.7
77.5°	62.1	60.8	73.2	121.5	159.4	232.6	326.0	476.9	545.5	545.5	467.1
80°	34.0	34.6	39.9	67.3	90.2	90.8	122.2	239.1	266.6	272.4	226.7
82.5°	9.8	10.5	14.4	22.9	24.8	27.4	42.5	68.6	71.9	75.8	61.4
85°	0.0	0.0	0.0	0.7	2.6	3.3	3.3	3.9	6.5	6.5	7.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3	2.6	2.6	3.3
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: P1211983

CATALOG NUMBER: GKO-PB1D-840-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	656.6	656.6	656.6	656.6	656.6	656.6	656.6	656.6	656.6	656.6	656.6
2.5°	656.0	656.6	654.0	650.7	648.1	646.8	642.9	639.6	641.6	643.5	643.5
5°	655.3	654.7	649.4	643.5	639.6	637.0	630.5	625.9	626.6	628.5	627.9
7.5°	655.3	652.7	645.5	637.0	630.5	625.3	616.8	611.5	610.9	612.2	610.9
10°	656.0	651.4	641.6	629.8	620.7	612.8	602.4	596.5	594.5	595.2	593.9
12.5°	657.3	650.1	637.7	622.6	610.9	600.4	588.7	581.5	580.2	581.5	581.5
15°	659.2	650.1	634.4	616.1	600.4	588.7	576.9	570.4	570.4	571.0	571.0
17.5°	663.1	652.0	631.8	608.9	590.0	576.9	566.4	561.9	562.5	564.5	564.5
20°	667.1	654.7	629.2	601.7	580.8	565.8	557.3	554.0	556.6	559.3	559.3
22.5°	672.9	657.9	626.6	595.2	570.4	555.3	548.2	545.5	548.2	551.4	550.1
25°	682.1	663.8	624.6	589.3	560.6	544.2	537.0	534.4	535.7	538.4	538.4
27.5°	692.5	671.0	623.9	582.1	548.8	531.2	522.7	518.8	518.8	519.4	520.1
30°	710.2	683.4	626.6	576.9	538.4	517.4	506.3	500.5	499.8	502.4	502.4
32.5°	731.1	700.4	633.1	572.3	527.9	501.1	486.1	481.5	480.2	482.2	480.2
35°	754.6	719.3	641.6	571.7	517.4	483.5	466.5	461.3	457.3	456.0	454.7
37.5°	787.9	745.5	650.1	568.4	507.0	464.5	446.2	435.1	430.6	429.2	429.2
40°	820.6	770.9	660.5	563.2	494.6	445.6	419.4	407.0	405.1	405.1	405.1
42.5°	861.8	804.3	674.9	559.9	479.6	426.6	390.7	376.3	376.3	376.3	375.7
45°	912.7	848.0	693.2	558.6	465.2	403.8	360.0	341.0	340.4	339.7	339.1
47.5°	972.2	893.8	710.8	555.3	448.2	376.3	324.7	303.8	299.2	297.9	296.0
50°	1033.6	943.4	729.8	550.8	427.9	344.3	291.4	267.2	257.4	254.2	255.5
52.5°	1098.9	991.8	748.1	544.2	403.8	312.3	257.4	231.9	222.1	218.2	217.6
55°	1163.0	1040.8	765.1	535.7	377.6	279.6	228.7	203.8	195.4	194.0	194.0
57.5°	1227.6	1087.8	778.1	523.3	348.9	250.9	203.8	183.6	177.7	180.3	180.3
60°	1286.4	1129.0	784.7	506.3	320.1	224.8	184.2	169.2	166.6	173.1	172.5
62.5°	1339.4	1156.4	781.4	481.5	292.0	202.5	169.2	158.1	158.8	166.6	167.3
65°	1364.8	1161.0	762.5	447.5	260.7	183.6	153.5	143.1	144.4	152.9	154.8
67°	1359.0	1143.4	731.1	409.0	235.2	169.2	143.7	133.3	133.9	141.1	141.8
67.5°	1352.4	1134.9	722.6	397.2	228.7	166.6	141.1	131.3	132.6	139.2	139.2
70°	1265.5	1048.6	644.2	337.1	198.0	148.3	128.7	122.2	123.5	127.4	127.4
72.5°	1106.1	908.1	521.4	270.5	167.9	131.3	116.3	112.4	112.4	112.4	109.1
75°	705.6	569.1	341.0	207.1	138.5	112.4	104.5	100.0	97.3	101.3	100.0
77.5°	390.0	297.3	177.7	118.9	100.0	93.4	90.8	88.9	88.2	97.3	94.7
80°	184.9	147.0	100.0	67.9	57.5	69.3	78.4	77.1	92.1	126.1	126.7
82.5°	58.8	48.3	40.5	37.2	38.5	49.7	60.8	69.9	119.6	135.2	133.3
85°	7.2	6.5	4.6	15.0	25.5	36.6	47.0	90.8	109.8	91.5	86.2
87.5°	2.6	2.6	2.6	10.5	19.6	28.1	42.5	91.5	67.3	61.4	56.2
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)