

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: P1211933

Luminaire Tested: **GKO-PB1D-850-U-T2R**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211933
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1D-850-U-T2R
Description: GEKKO WALL PACK 3500LM PACKAGE 80CRI 5000K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (10) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3413.8 lumens
Efficiency: N/A
Efficacy: 133.4 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

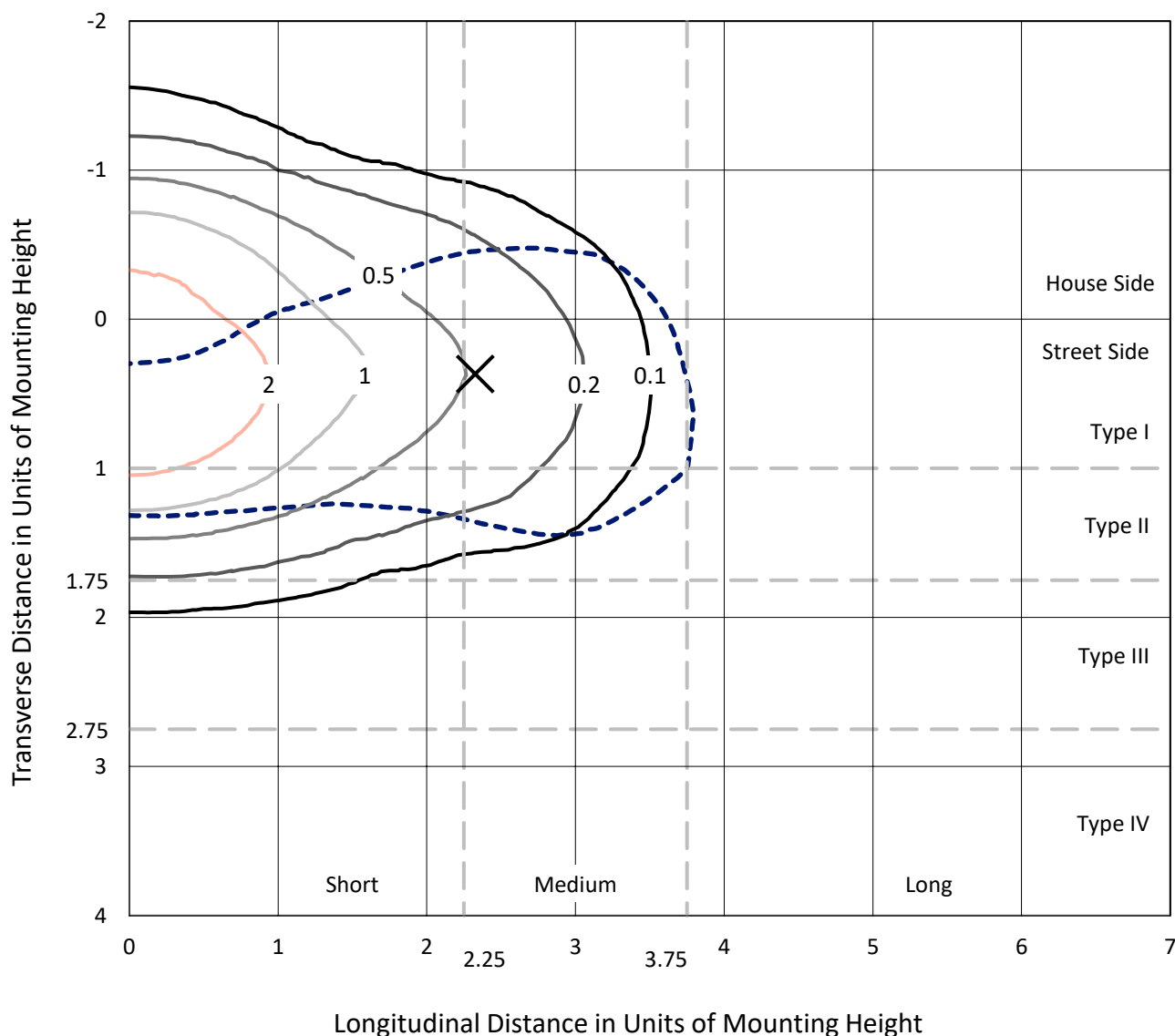
Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

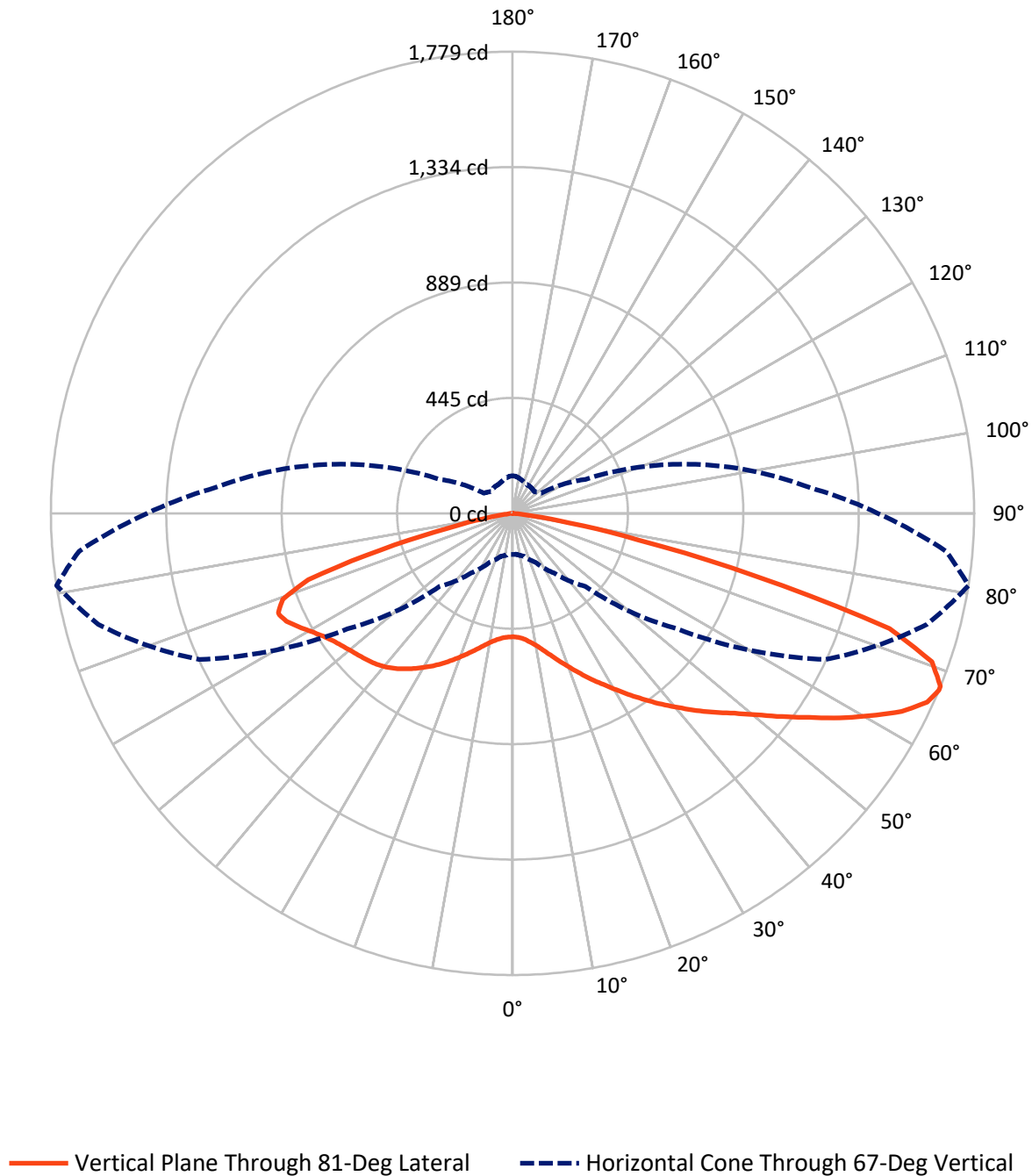
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1054.2	0.0	1054.2
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	2359.7	0.0	2359.7
	% Fixture	69.1	0.0	69.1
Total	Lumens	3413.8	0.0	3413.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.3	1.4
10°-20°	178.3	5.2
20°-30°	361.2	10.6
30°-40°	569.5	16.7
40°-50°	699.5	20.5
50°-60°	668.2	19.6
60°-70°	560.4	16.4
70°-80°	296.8	8.7
80°-90°	30.7	0.9
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°	3413.8	100.0
0°-180°	3413.8	100.0

Coefficient of Utilization



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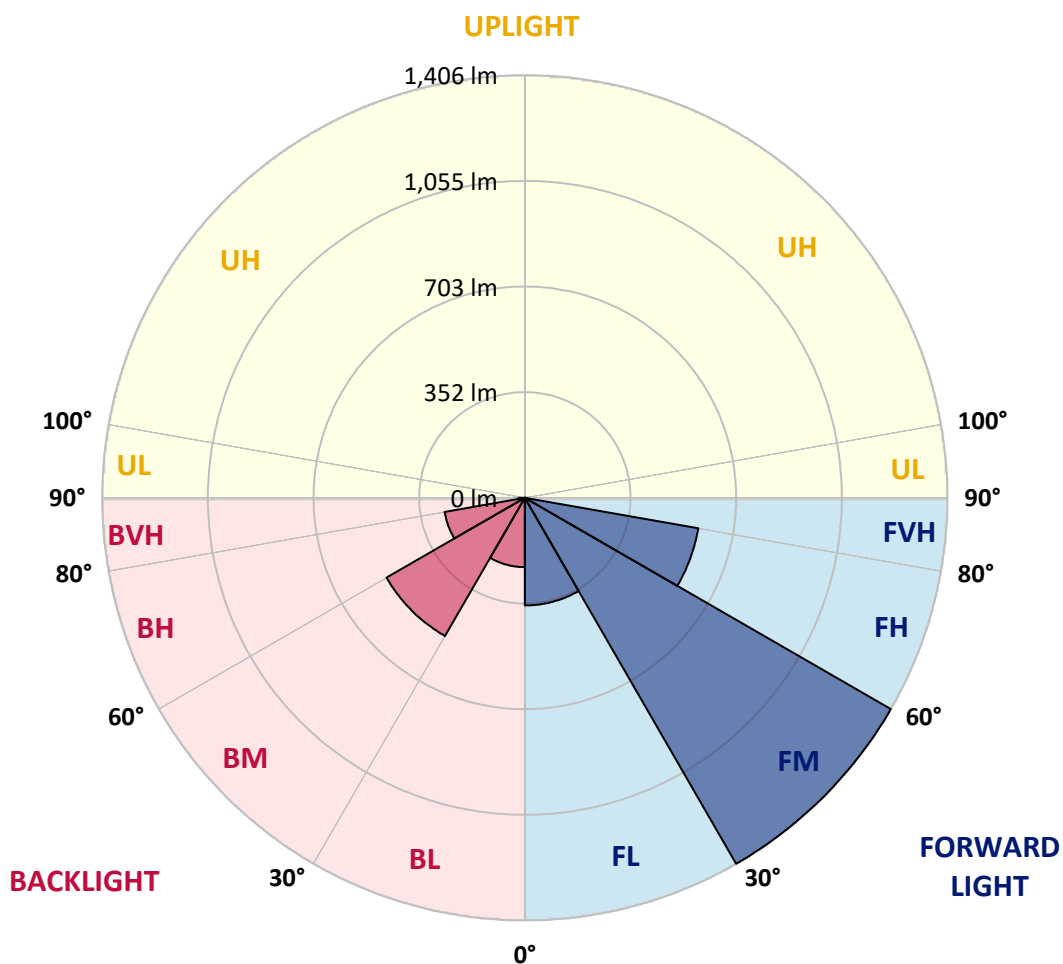
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	358.1	10.5			
FM	(30°-60°)	1406.0	41.2			
FH	(60°-80°)	586.0	17.2			G0/660
FVH	(80°-90°)	9.5	0.3			G0/10
BL	(0°-30°)	230.7	6.8	B1/500		
BM	(30°-60°)	531.2	15.6	B1/1000		
BH	(60°-80°)	271.2	7.9	B1/500		G1/500
BVH	(80°-90°)	21.1	0.6			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	475.5	475.5	475.5	475.5	475.5	475.5	475.5	475.5	475.5	475.5	475.5
2.5°	503.0	504.3	501.7	501.0	498.4	494.5	489.9	486.6	481.4	478.8	477.5
5°	550.7	548.0	546.1	542.8	533.7	525.8	512.8	503.6	493.8	487.3	485.3
7.5°	608.8	610.1	603.6	595.1	582.0	566.3	545.4	528.4	510.2	501.7	497.7
10°	672.2	677.4	670.8	660.4	635.6	612.1	586.6	557.2	532.4	519.3	514.1
12.5°	749.2	752.5	744.0	730.3	700.2	665.0	629.0	592.5	559.8	543.5	534.3
15°	835.5	832.8	824.4	804.1	765.6	726.4	677.4	629.7	591.2	570.9	557.8
17.5°	924.3	921.0	909.9	883.8	840.0	791.0	732.9	672.8	624.5	602.3	584.6
20°	1009.2	1005.9	998.1	968.7	915.8	855.7	787.8	722.5	662.4	634.9	615.3
22.5°	1103.3	1100.7	1088.3	1052.3	995.5	929.5	850.5	772.8	703.5	670.8	647.3
25°	1205.2	1205.8	1192.1	1141.8	1077.8	1000.7	917.8	829.6	749.9	708.7	682.0
27.5°	1324.1	1323.4	1299.9	1245.7	1165.3	1076.5	984.4	889.0	795.6	747.3	716.6
30°	1431.8	1429.2	1403.1	1348.9	1256.1	1156.2	1054.9	946.5	847.2	789.7	752.5
32.5°	1511.5	1512.2	1490.6	1431.2	1340.4	1233.9	1120.9	1011.2	896.9	835.5	794.3
35°	1569.0	1569.7	1548.8	1497.8	1412.9	1306.4	1190.8	1071.9	952.4	882.5	838.1
37.5°	1587.3	1587.3	1573.6	1533.7	1464.5	1371.7	1259.4	1141.2	1007.9	933.4	882.5
40°	1562.5	1564.4	1563.8	1537.7	1490.0	1416.8	1322.8	1207.8	1070.0	983.7	927.6
42.5°	1506.3	1507.6	1509.6	1499.8	1484.8	1441.0	1373.7	1275.7	1132.0	1038.6	972.0
45°	1413.6	1418.8	1428.6	1432.5	1438.4	1435.1	1405.1	1339.1	1201.3	1093.5	1015.7
47.5°	1296.0	1304.5	1317.5	1341.0	1373.7	1399.8	1412.9	1388.1	1268.5	1150.3	1064.7
50°	1132.7	1141.8	1177.1	1226.1	1290.7	1341.7	1391.3	1424.7	1343.7	1219.5	1119.6
52.5°	906.7	926.3	985.7	1079.8	1190.8	1266.6	1345.6	1442.3	1420.1	1301.2	1184.9
55°	689.8	697.0	773.4	886.4	1057.6	1185.6	1282.9	1433.1	1491.9	1386.8	1259.4
57.5°	482.1	489.9	556.5	680.0	869.4	1079.8	1220.2	1402.4	1557.3	1487.4	1345.0
60°	342.3	350.8	400.4	491.9	675.4	925.6	1162.1	1363.3	1614.1	1582.7	1443.6
62.5°	248.9	253.4	279.6	356.7	488.0	723.8	1079.1	1337.8	1653.9	1682.0	1544.8
65°	190.7	195.3	210.3	258.7	360.6	529.1	930.2	1337.1	1664.4	1755.2	1632.4
67°	158.7	158.1	171.1	207.7	281.5	397.8	776.7	1331.9	1652.6	1778.7	1676.8
67.5°	150.2	152.9	163.3	194.0	265.9	366.5	743.4	1323.4	1648.7	1778.0	1680.1
70°	119.5	120.2	129.3	153.5	199.9	265.9	535.0	1239.8	1589.3	1714.0	1643.5
72.5°	87.5	86.9	100.6	116.3	152.9	193.4	358.6	1041.2	1460.6	1518.7	1461.2
75°	64.7	64.0	71.2	88.8	109.1	144.4	232.5	679.3	989.0	966.1	892.3
77.5°	43.1	44.4	51.0	65.3	77.7	89.5	116.3	312.9	544.8	492.5	474.2
80°	26.1	24.2	28.7	37.2	45.1	45.7	49.6	135.2	233.9	222.7	209.0
82.5°	9.1	9.1	11.1	15.0	15.0	15.0	18.3	32.7	46.4	42.5	40.5
85°	0.0	0.0	0.0	0.0	1.3	2.0	1.3	2.6	4.6	5.2	5.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3	2.0	2.6	2.6
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°	475.5	475.5	475.5	475.5	475.5	475.5	475.5	475.5	475.5	475.5	475.5
2.5°	477.5	477.5	475.5	472.9	471.6	471.0	469.0	466.4	468.4	470.3	470.3
5°	484.0	482.7	478.8	476.2	474.2	474.2	471.6	471.0	472.9	474.9	474.2
7.5°	494.5	491.9	487.3	483.4	484.0	484.7	480.8	480.8	482.7	484.7	484.7
10°	508.9	504.3	499.7	496.4	497.1	497.7	493.8	492.5	494.5	496.4	497.7
12.5°	527.1	521.3	516.0	512.8	512.1	512.8	508.9	507.5	507.5	508.9	508.9
15°	548.7	542.2	535.6	531.1	529.8	529.1	523.9	519.3	519.3	520.0	520.0
17.5°	573.5	564.4	555.9	550.7	547.4	542.8	536.9	530.4	528.4	529.1	529.1
20°	598.3	588.5	577.4	570.3	563.7	555.9	546.7	538.2	534.3	534.3	533.7
22.5°	627.1	614.0	599.0	589.2	577.4	564.4	551.3	540.2	536.3	535.0	535.0
25°	656.5	641.5	619.9	604.9	587.9	568.9	552.0	536.9	530.4	527.8	527.8
27.5°	686.5	668.9	640.8	619.2	594.4	568.3	545.4	526.5	517.3	514.1	512.8
30°	720.5	695.0	659.1	629.7	595.7	562.4	533.0	510.8	497.1	489.3	489.9
32.5°	755.8	723.8	676.1	636.2	593.8	551.3	514.1	486.0	468.4	461.2	458.6
35°	791.7	751.2	691.1	639.5	587.2	534.3	489.9	458.6	439.0	428.5	428.5
37.5°	828.3	779.9	701.6	638.8	575.5	512.1	461.8	428.5	405.6	392.6	389.3
40°	864.2	806.7	709.4	633.6	557.8	485.3	431.8	395.8	365.1	348.2	345.5
42.5°	899.5	828.9	713.3	625.1	536.9	455.9	397.8	349.5	320.1	304.4	303.7
45°	931.5	846.6	714.0	614.0	509.5	422.6	352.1	305.7	276.3	260.0	260.0
47.5°	962.8	866.2	713.3	599.6	479.5	379.5	303.7	258.7	231.9	221.4	218.2
50°	1000.7	885.8	712.7	582.0	440.9	327.9	256.7	218.2	195.3	184.9	184.9
52.5°	1039.3	908.6	714.0	557.2	395.2	277.6	214.9	180.9	165.9	159.4	158.7
55°	1088.9	932.8	717.2	527.8	347.5	228.6	179.0	156.1	145.7	142.4	143.1
57.5°	1149.0	966.1	723.8	493.2	292.0	187.5	153.5	141.1	138.5	139.8	140.4
60°	1217.6	1007.3	732.9	454.0	243.0	156.1	138.5	135.9	138.5	143.7	144.4
62.5°	1297.3	1056.9	744.7	410.2	194.7	137.2	131.9	133.9	135.9	144.4	145.0
65°	1367.8	1110.5	747.3	358.6	158.1	124.8	128.0	129.3	134.6	144.4	145.0
67°	1407.7	1147.0	729.6	309.6	135.2	118.2	122.8	124.1	133.3	143.1	144.4
67.5°	1412.2	1154.9	717.9	297.2	130.6	116.9	121.5	124.1	133.3	143.1	143.7
70°	1398.5	1149.7	639.5	224.1	107.8	107.8	113.0	118.9	128.0	138.5	143.1
72.5°	1276.4	1048.4	495.1	152.2	91.4	97.3	105.2	113.7	122.2	134.6	142.4
75°	806.7	674.8	303.1	101.9	76.4	86.9	99.3	109.1	116.3	125.4	130.6
77.5°	431.1	333.8	130.6	60.1	60.1	77.1	92.1	101.2	105.2	108.4	111.7
80°	203.8	155.5	63.4	35.9	41.8	60.1	81.7	91.4	92.8	96.7	98.0
82.5°	40.5	35.3	20.9	18.9	27.4	43.1	67.9	79.0	79.7	86.2	87.5
85°	5.2	4.6	3.3	7.2	17.6	32.0	52.3	67.9	69.2	69.2	67.9
87.5°	2.6	2.0	2.0	5.2	13.1	24.2	43.1	56.8	57.5	45.1	43.8
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)