

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: P1211746

Luminaire Tested: **GKO-PB1F-830-U-T2R**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211746
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1F-830-U-T2R
Description: GEKKO WALL PACK 6500LM PACKAGE 80CRI 3000K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (10) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

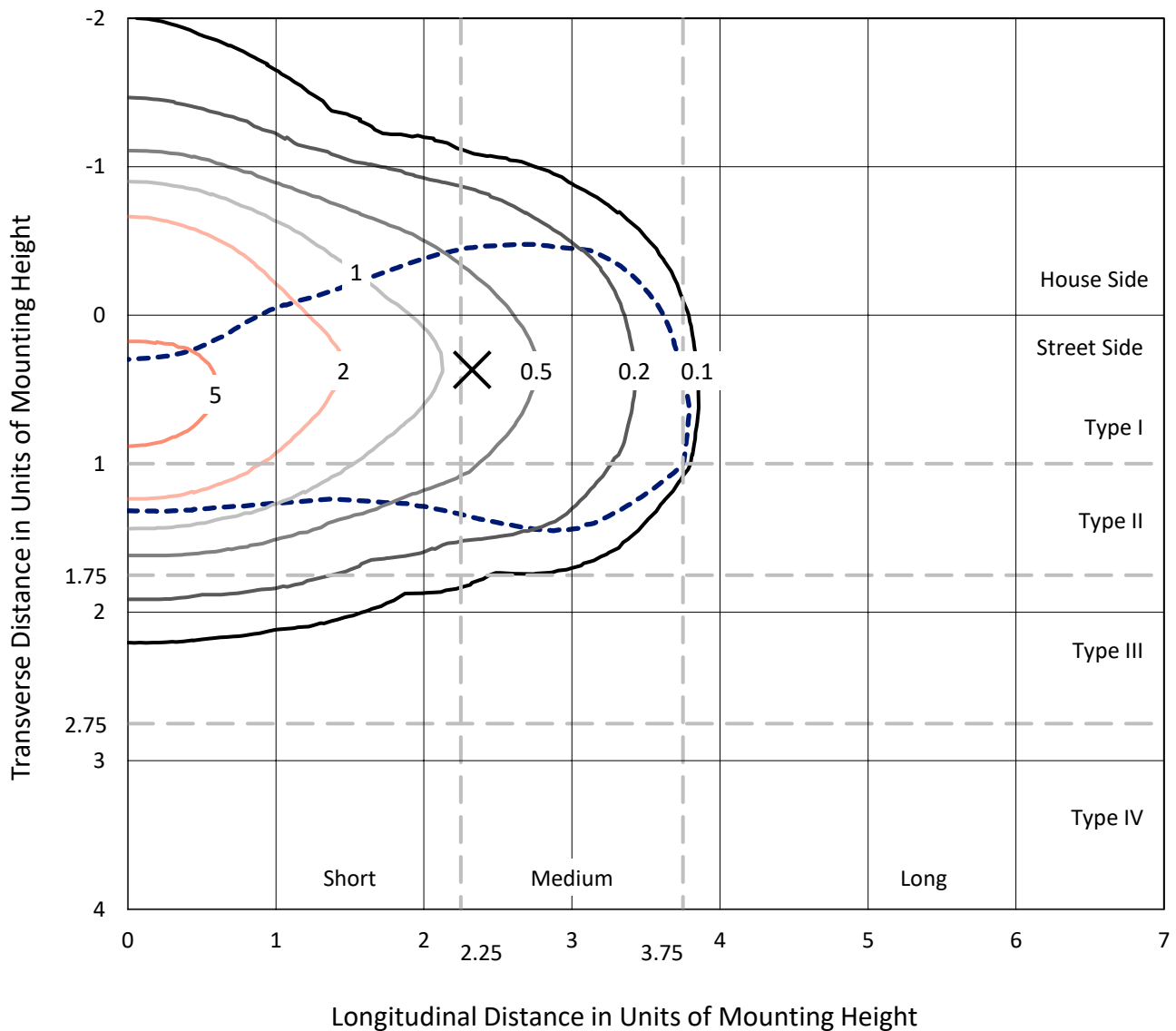
Lumens per Lamp: N/A
Luminaire Lumens: 5944.1 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 54.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 5.7%
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

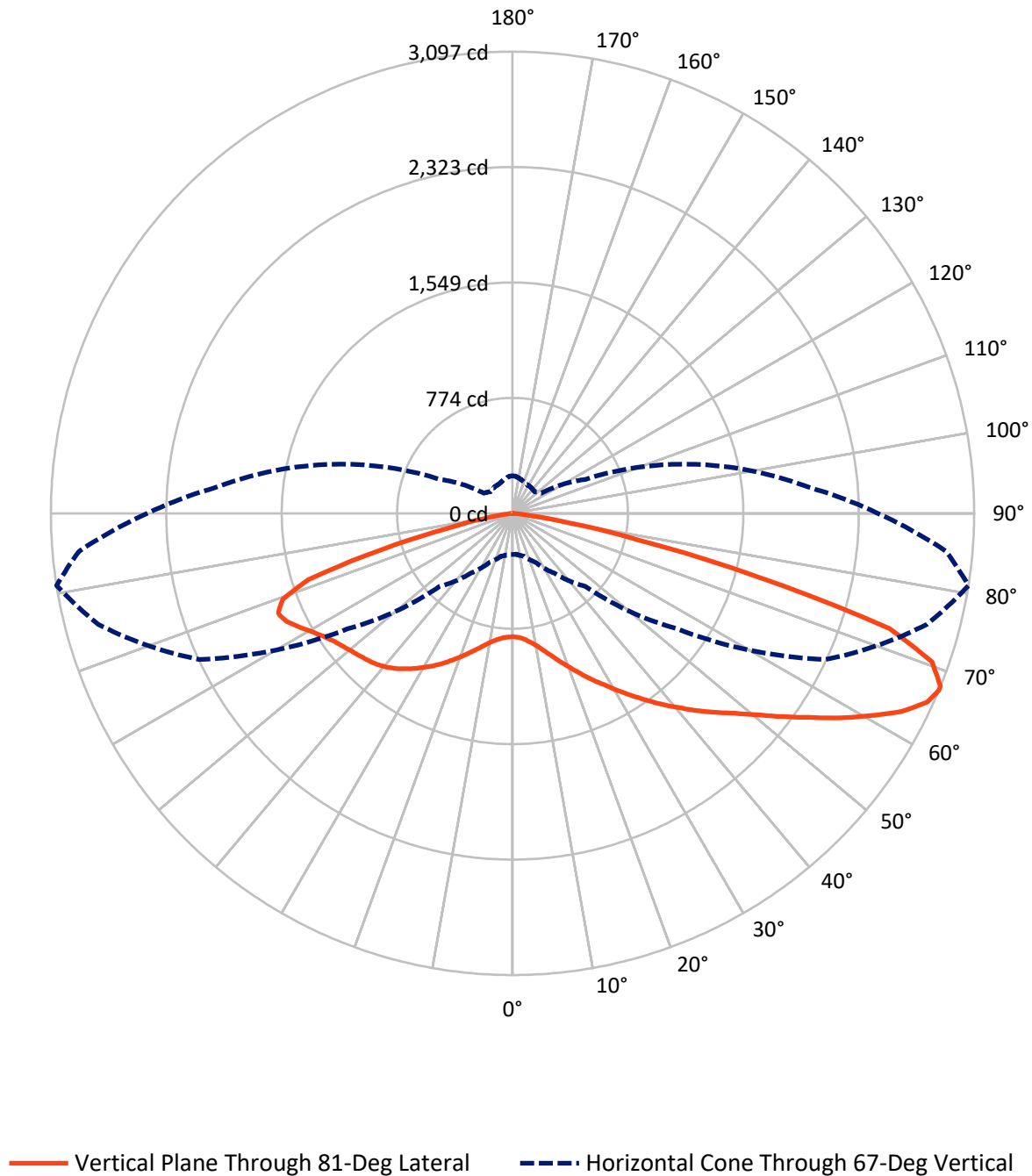
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.1 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	1835.5	0.0	1835.5
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	4108.6	0.0	4108.6
	% Fixture	69.1	0.0	69.1
Total	Lumens	5944.1	0.0	5944.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.8	1.4
10°-20°	310.4	5.2
20°-30°	628.9	10.6
30°-40°	991.7	16.7
40°-50°	1217.9	20.5
50°-60°	1163.5	19.6
60°-70°	975.7	16.4
70°-80°	516.9	8.7
80°-90°	53.4	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°	5944.1	100.0
0°-180°	5944.1	100.0



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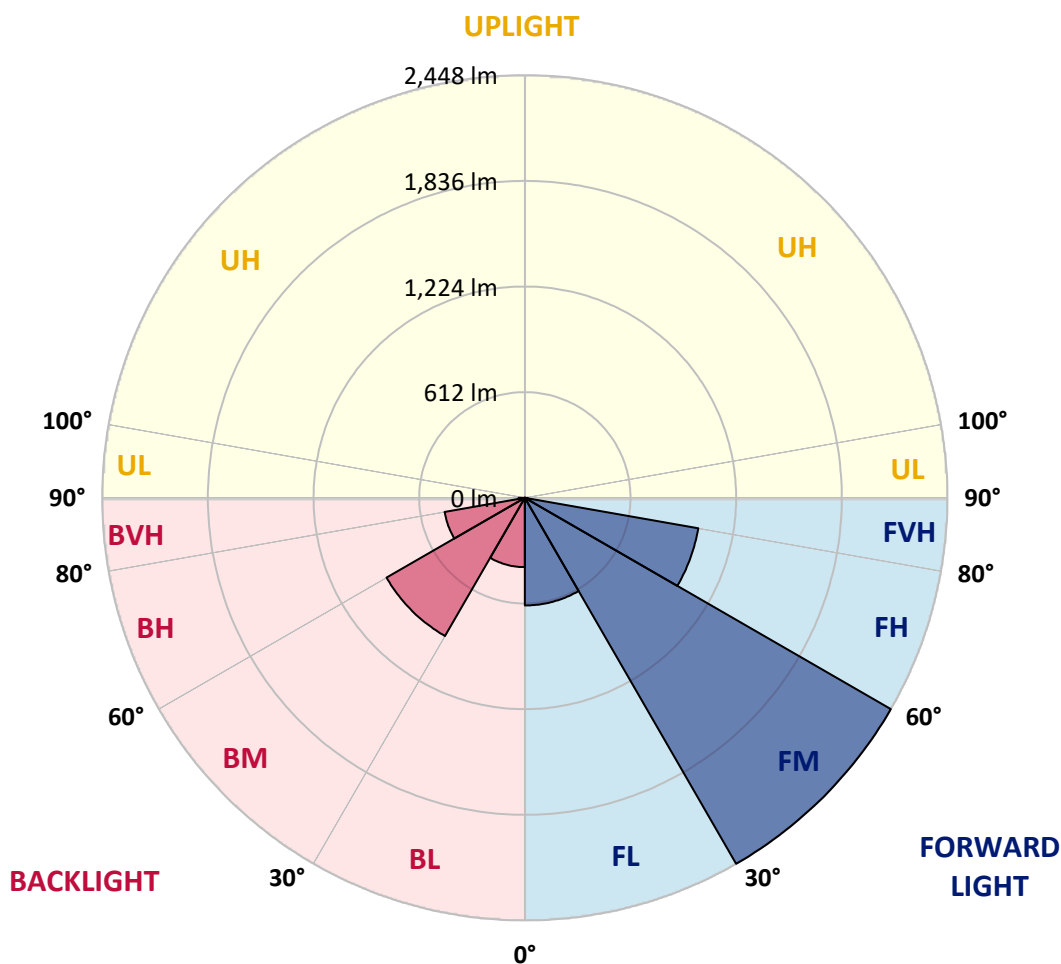
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	623.5	10.5			
FM	(30°-60°)	2448.1	41.2			
FH	(60°-80°)	1020.4	17.2			G1/1800
FVH	(80°-90°)	16.6	0.3			G1/100
BL	(0°-30°)	401.7	6.8	B1/500		
BM	(30°-60°)	924.9	15.6	B1/1000		
BH	(60°-80°)	472.2	7.9	B1/500		G1/500
BVH	(80°-90°)	36.8	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°	828.0	828.0	828.0	828.0	828.0	828.0	828.0	828.0	828.0	828.0	828.0
2.5°	875.8	878.0	873.5	872.4	867.8	861.0	853.0	847.3	838.2	833.7	831.4
5°	958.8	954.2	950.8	945.1	929.2	915.6	892.8	876.9	859.8	848.5	845.1
7.5°	1060.0	1062.3	1050.9	1036.1	1013.4	986.1	949.7	920.1	888.3	873.5	866.7
10°	1170.3	1179.4	1168.1	1149.9	1106.7	1065.7	1021.3	970.2	926.9	904.2	895.1
12.5°	1304.6	1310.2	1295.5	1271.6	1219.2	1157.8	1095.3	1031.6	974.7	946.3	930.4
15°	1454.7	1450.1	1435.3	1400.1	1333.0	1264.7	1179.4	1096.4	1029.3	994.1	971.3
17.5°	1609.4	1603.7	1584.3	1538.8	1462.6	1377.3	1276.1	1171.5	1087.3	1048.6	1017.9
20°	1757.2	1751.5	1737.9	1686.7	1594.6	1489.9	1371.7	1257.9	1153.3	1105.5	1071.4
22.5°	1921.0	1916.5	1894.8	1832.3	1733.3	1618.5	1480.8	1345.5	1224.9	1168.1	1127.1
25°	2098.4	2099.6	2075.7	1988.1	1876.6	1742.4	1598.0	1444.4	1305.7	1234.0	1187.4
27.5°	2305.4	2304.3	2263.3	2168.9	2029.1	1874.4	1714.0	1547.9	1385.3	1301.1	1247.7
30°	2493.1	2488.5	2443.0	2348.6	2187.1	2013.1	1836.8	1648.0	1475.2	1375.1	1310.2
32.5°	2631.9	2633.0	2595.5	2492.0	2333.9	2148.5	1951.7	1760.6	1561.6	1454.7	1383.0
35°	2731.9	2733.1	2696.7	2608.0	2460.1	2274.7	2073.4	1866.4	1658.3	1536.6	1459.2
37.5°	2763.8	2763.8	2739.9	2670.5	2550.0	2388.5	2192.8	1987.0	1754.9	1625.3	1536.6
40°	2720.6	2724.0	2722.8	2677.3	2594.3	2466.9	2303.2	2103.0	1863.0	1712.9	1615.1
42.5°	2622.8	2625.0	2628.4	2611.4	2585.2	2509.0	2391.9	2221.3	1971.0	1808.4	1692.4
45°	2461.2	2470.3	2487.4	2494.2	2504.5	2498.8	2446.5	2331.6	2091.6	1903.9	1768.6
47.5°	2256.5	2271.3	2294.1	2335.0	2391.9	2437.4	2460.1	2416.9	2208.8	2002.9	1853.9
50°	1972.2	1988.1	2049.5	2134.8	2247.4	2336.1	2422.6	2480.6	2339.5	2123.5	1949.4
52.5°	1578.7	1612.8	1716.3	1880.1	2073.4	2205.3	2343.0	2511.3	2472.6	2265.6	2063.2
55°	1201.1	1213.6	1346.6	1543.4	1841.4	2064.3	2233.8	2495.4	2597.7	2414.6	2192.8
57.5°	839.4	853.0	969.0	1184.0	1513.8	1880.1	2124.6	2441.9	2711.5	2589.8	2341.8
60°	596.0	610.8	697.2	856.4	1176.0	1611.6	2023.4	2373.7	2810.4	2755.8	2513.6
62.5°	433.3	441.3	486.8	621.0	849.6	1260.2	1878.9	2329.3	2879.8	2928.7	2689.9
65°	332.1	340.1	366.2	450.4	627.8	921.3	1619.6	2328.2	2898.0	3056.1	2842.3
67°	276.4	275.2	298.0	361.7	490.2	692.7	1352.3	2319.1	2877.5	3097.0	2919.6
67.5°	261.6	266.1	284.3	337.8	462.9	638.1	1294.3	2304.3	2870.7	3095.9	2925.3
70°	208.1	209.3	225.2	267.3	348.0	462.9	931.5	2158.7	2767.2	2984.4	2861.6
72.5°	152.4	151.3	175.2	202.5	266.1	336.7	624.4	1813.0	2543.1	2644.4	2544.3
75°	112.6	111.5	124.0	154.7	189.9	251.4	404.9	1182.9	1722.0	1682.2	1553.6
77.5°	75.1	77.3	88.7	113.7	135.3	155.8	202.5	544.8	948.6	857.6	825.7
80°	45.5	42.1	50.0	64.8	78.5	79.6	86.4	235.4	407.2	387.8	364.0
82.5°	15.9	15.9	19.3	26.2	26.2	26.2	31.8	56.9	80.8	73.9	70.5
85°	0.0	0.0	0.0	0.0	2.3	3.4	2.3	4.5	8.0	9.1	9.1
87.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.3	3.4	4.5	4.5
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°	828.0	828.0	828.0	828.0	828.0	828.0	828.0	828.0	828.0	828.0	828.0
2.5°	831.4	831.4	828.0	823.4	821.2	820.0	816.6	812.1	815.5	818.9	818.9
5°	842.8	840.5	833.7	829.1	825.7	825.7	821.2	820.0	823.4	826.9	825.7
7.5°	861.0	856.4	848.5	841.6	842.8	843.9	837.1	837.1	840.5	843.9	843.9
10°	886.0	878.0	870.1	864.4	865.5	866.7	859.8	857.6	861.0	864.4	866.7
12.5°	917.8	907.6	898.5	892.8	891.7	892.8	886.0	883.7	883.7	886.0	886.0
15°	955.4	944.0	932.6	924.7	922.4	921.3	912.2	904.2	904.2	905.3	905.3
17.5°	998.6	982.7	967.9	958.8	953.1	945.1	934.9	923.5	920.1	921.3	921.3
20°	1041.8	1024.8	1005.4	992.9	981.5	967.9	952.0	937.2	930.4	930.4	929.2
22.5°	1091.9	1069.1	1043.0	1025.9	1005.4	982.7	959.9	940.6	933.8	931.5	931.5
25°	1143.0	1116.9	1079.4	1053.2	1023.6	990.6	961.1	934.9	923.5	919.0	919.0
27.5°	1195.4	1164.7	1115.8	1078.2	1035.0	989.5	949.7	916.7	900.8	895.1	892.8
30°	1254.5	1210.2	1147.6	1096.4	1037.3	979.3	928.1	889.4	865.5	851.9	853.0
32.5°	1315.9	1260.2	1177.2	1107.8	1033.9	959.9	895.1	846.2	815.5	803.0	798.4
35°	1378.5	1308.0	1203.3	1113.5	1022.5	930.4	853.0	798.4	764.3	746.1	746.1
37.5°	1442.2	1358.0	1221.5	1112.3	1002.0	891.7	804.1	746.1	706.3	683.6	677.9
40°	1504.7	1404.6	1235.2	1103.2	971.3	845.1	751.8	689.2	635.8	606.2	601.7
42.5°	1566.1	1443.3	1242.0	1088.5	934.9	793.9	692.7	608.5	557.3	530.0	528.9
45°	1621.9	1474.0	1243.1	1069.1	887.1	735.9	613.0	532.3	481.1	452.7	452.7
47.5°	1676.5	1508.1	1242.0	1044.1	834.8	660.8	528.9	450.4	403.8	385.6	379.9
50°	1742.4	1542.3	1240.9	1013.4	767.7	571.0	447.0	379.9	340.1	321.9	321.9
52.5°	1809.5	1582.1	1243.1	970.2	688.1	483.4	374.2	315.0	288.9	277.5	276.4
55°	1896.0	1624.1	1248.8	919.0	605.1	398.1	311.6	271.8	253.6	247.9	249.1
57.5°	2000.6	1682.2	1260.2	858.7	508.4	326.4	267.3	245.7	241.1	243.4	244.5
60°	2120.0	1753.8	1276.1	790.5	423.1	271.8	241.1	236.6	241.1	250.2	251.4
62.5°	2258.8	1840.2	1296.6	714.3	338.9	238.8	229.7	233.2	236.6	251.4	252.5
65°	2381.6	1933.5	1301.1	624.4	275.2	217.2	222.9	225.2	234.3	251.4	252.5
67°	2451.0	1997.2	1270.4	539.1	235.4	205.9	213.8	216.1	232.0	249.1	251.4
67.5°	2459.0	2010.9	1250.0	517.5	227.5	203.6	211.5	216.1	232.0	249.1	250.2
70°	2435.1	2001.8	1113.5	390.1	187.7	187.7	196.8	207.0	222.9	241.1	249.1
72.5°	2222.4	1825.5	862.1	265.0	159.2	169.5	183.1	197.9	212.7	234.3	247.9
75°	1404.6	1174.9	527.7	177.4	133.1	151.3	172.9	189.9	202.5	218.4	227.5
77.5°	750.7	581.2	227.5	104.6	104.6	134.2	160.4	176.3	183.1	188.8	194.5
80°	354.9	270.7	110.3	62.6	72.8	104.6	142.2	159.2	161.5	168.3	170.6
82.5°	70.5	61.4	36.4	33.0	47.8	75.1	118.3	137.6	138.8	150.1	152.4
85°	9.1	8.0	5.7	12.5	30.7	55.7	91.0	118.3	120.6	120.6	118.3
87.5°	4.5	3.4	3.4	9.1	22.7	42.1	75.1	99.0	100.1	78.5	76.2
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)