

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: P1211932

Luminaire Tested: **GKO-PB1E-850-U-T2R**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211932
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1E-850-U-T2R
Description: GEKKO WALL PACK 5000LM PACKAGE 80CRI 5000K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (10) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

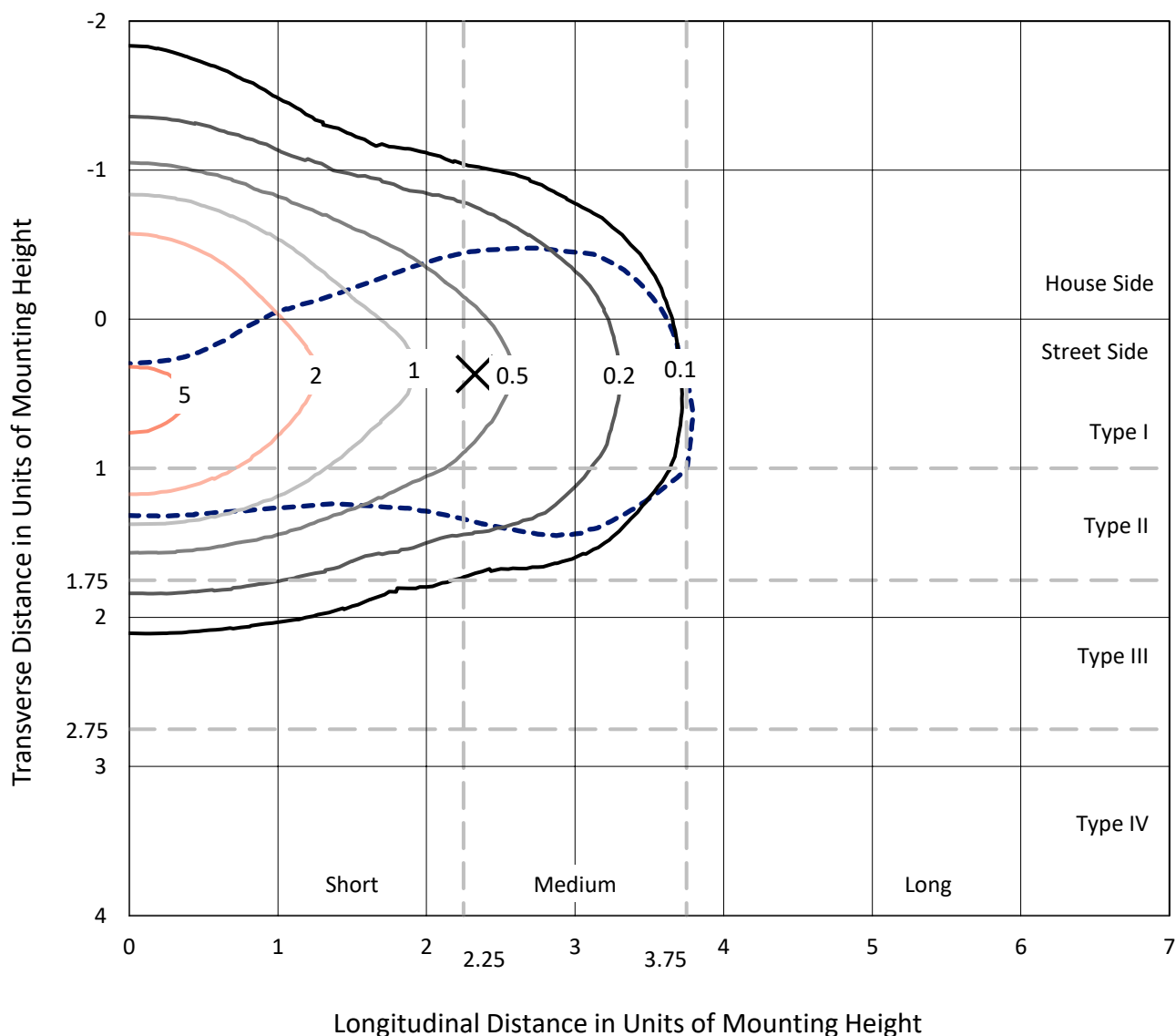
Lumens per Lamp: N/A
Luminaire Lumens: 4828.8 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 38.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 9%
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

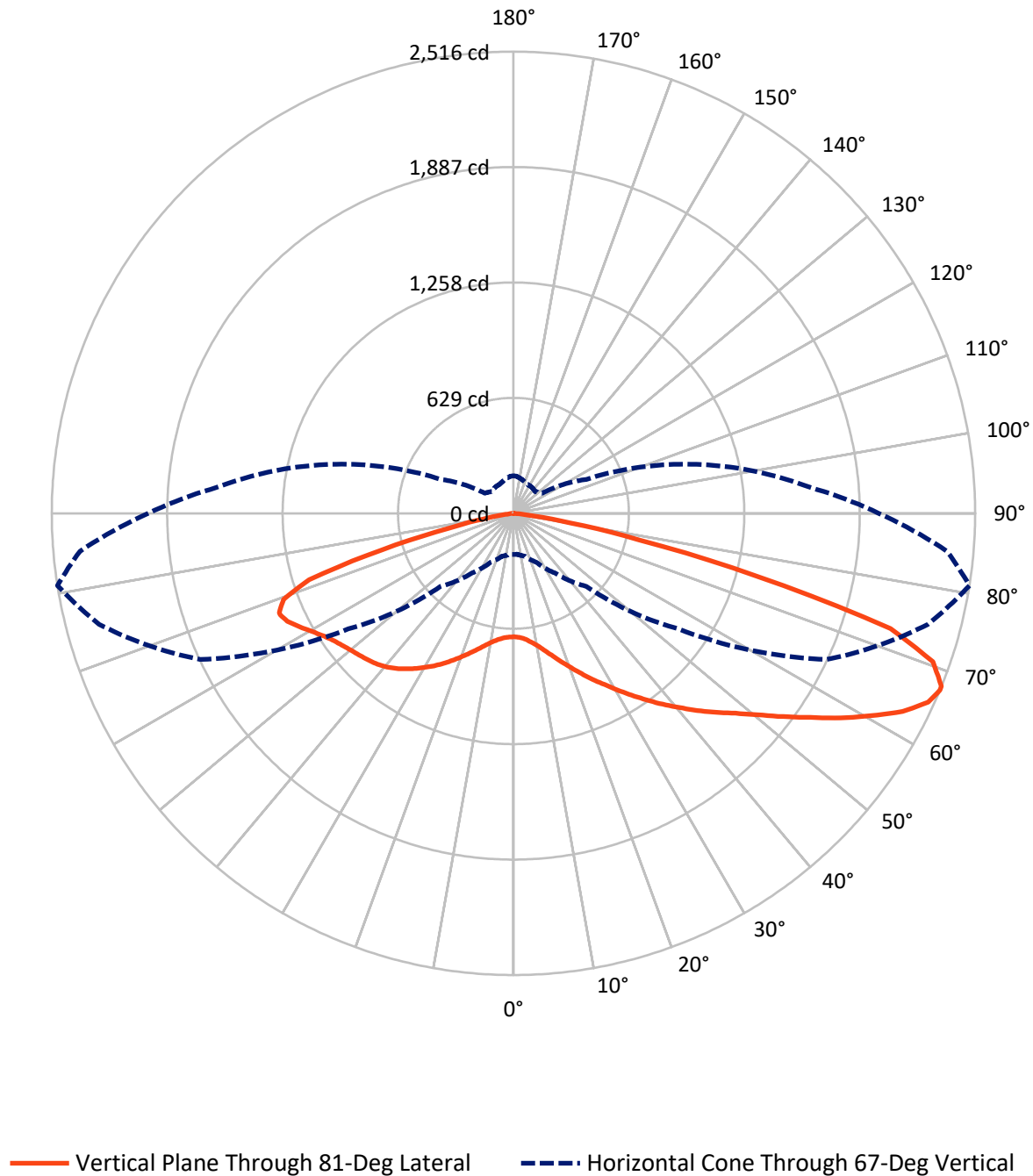
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.8 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	1491.1	0.0	1491.1
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	3337.7	0.0	3337.7
	% Fixture	69.1	0.0	69.1
Total	Lumens	4828.8	0.0	4828.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.7	1.4
10°-20°	252.2	5.2
20°-30°	510.9	10.6
30°-40°	805.6	16.7
40°-50°	989.4	20.5
50°-60°	945.2	19.6
60°-70°	792.6	16.4
70°-80°	419.9	8.7
80°-90°	43.4	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°	4828.8	100.0
0°-180°	4828.8	100.0

Coefficient of Utilization



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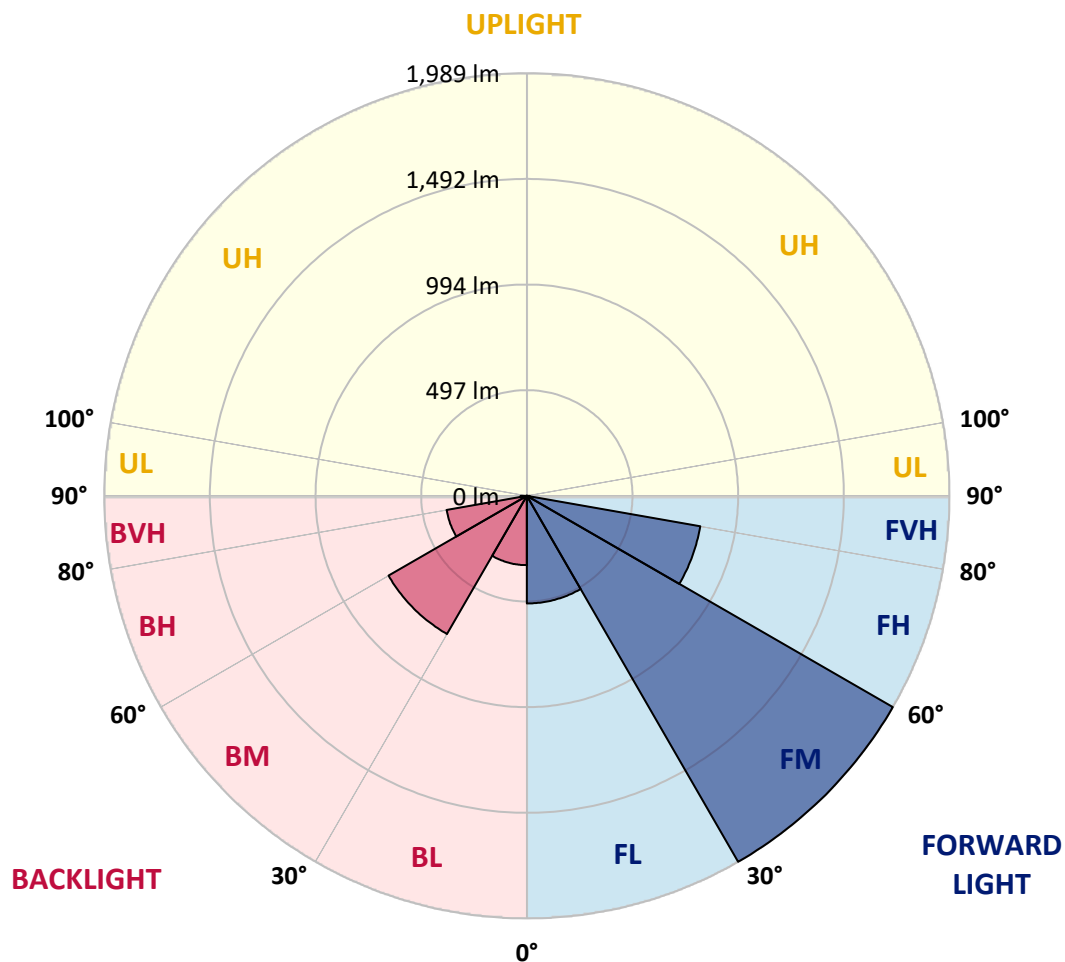
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	506.5	10.5			
FM	(30°-60°)	1988.8	41.2			
FH	(60°-80°)	828.9	17.2			G1/1800
FVH	(80°-90°)	13.5	0.3			G1/100
BL	(0°-30°)	326.3	6.8	B1/500		
BM	(30°-60°)	751.3	15.6	B1/1000		
BH	(60°-80°)	383.6	7.9	B1/500		G1/500
BVH	(80°-90°)	29.9	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°	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6
2.5°	711.5	713.3	709.6	708.7	705.0	699.4	693.0	688.4	681.0	677.3	675.4
5°	778.9	775.2	772.4	767.8	754.9	743.8	725.3	712.4	698.5	689.3	686.5
7.5°	861.1	863.0	853.7	841.7	823.3	801.1	771.5	747.5	721.6	709.6	704.1
10°	950.8	958.2	948.9	934.1	899.0	865.8	829.7	788.1	753.0	734.6	727.2
12.5°	1059.8	1064.4	1052.4	1033.0	990.5	940.6	889.8	838.0	791.8	768.7	755.8
15°	1181.8	1178.1	1166.0	1137.4	1082.9	1027.5	958.2	890.7	836.2	807.5	789.1
17.5°	1307.4	1302.8	1287.1	1250.1	1188.2	1118.9	1036.7	951.7	883.3	851.9	827.0
20°	1427.5	1422.9	1411.8	1370.2	1295.4	1210.4	1114.3	1021.9	936.9	898.1	870.4
22.5°	1560.6	1556.9	1539.3	1488.5	1408.1	1314.8	1203.0	1093.1	995.1	948.9	915.7
25°	1704.7	1705.6	1686.2	1615.1	1524.5	1415.5	1298.2	1173.4	1060.7	1002.5	964.6
27.5°	1872.9	1872.0	1838.7	1762.0	1648.4	1522.7	1392.4	1257.5	1125.4	1057.0	1013.6
30°	2025.3	2021.6	1984.7	1908.0	1776.8	1635.4	1492.2	1338.8	1198.4	1117.1	1064.4
32.5°	2138.1	2139.0	2108.5	2024.4	1896.0	1745.4	1585.5	1430.3	1268.6	1181.8	1123.5
35°	2219.4	2220.3	2190.7	2118.7	1998.5	1847.9	1684.4	1516.2	1347.1	1248.3	1185.5
37.5°	2245.2	2245.2	2225.8	2169.5	2071.5	1940.3	1781.4	1614.2	1425.7	1320.3	1248.3
40°	2210.1	2212.9	2212.0	2175.0	2107.6	2004.1	1871.0	1708.4	1513.5	1391.5	1312.0
42.5°	2130.7	2132.5	2135.3	2121.4	2100.2	2038.3	1943.1	1804.5	1601.2	1469.1	1374.9
45°	1999.5	2006.9	2020.7	2026.3	2034.6	2030.0	1987.5	1894.1	1699.2	1546.7	1436.8
47.5°	1833.2	1845.2	1863.6	1896.9	1943.1	1980.1	1998.5	1963.4	1794.3	1627.1	1506.1
50°	1602.2	1615.1	1665.0	1734.3	1825.8	1897.8	1968.1	2015.2	1900.6	1725.0	1583.7
52.5°	1282.5	1310.2	1394.3	1527.3	1684.4	1791.6	1903.4	2040.1	2008.7	1840.5	1676.1
55°	975.7	985.9	1094.0	1253.8	1495.9	1677.0	1814.7	2027.2	2110.3	1961.6	1781.4
57.5°	681.9	693.0	787.2	961.9	1229.8	1527.3	1726.0	1983.8	2202.7	2103.9	1902.4
60°	484.2	496.2	566.4	695.7	955.4	1309.3	1643.7	1928.3	2283.1	2238.8	2042.0
62.5°	352.0	358.5	395.5	504.5	690.2	1023.8	1526.4	1892.3	2339.5	2379.2	2185.2
65°	269.8	276.3	297.5	365.9	510.0	748.4	1315.7	1891.4	2354.3	2482.7	2309.0
67°	224.5	223.6	242.1	293.8	398.2	562.7	1098.6	1884.0	2337.6	2516.0	2371.8
67.5°	212.5	216.2	231.0	274.4	376.1	518.3	1051.5	1872.0	2332.1	2515.0	2376.4
70°	169.1	170.0	182.9	217.1	282.7	376.1	756.7	1753.7	2248.0	2424.5	2324.7
72.5°	123.8	122.9	142.3	164.5	216.2	273.5	507.3	1472.8	2066.0	2148.2	2066.9
75°	91.5	90.5	100.7	125.7	154.3	204.2	328.9	960.9	1398.9	1366.5	1262.1
77.5°	61.0	62.8	72.1	92.4	110.0	126.6	164.5	442.6	770.6	696.7	670.8
80°	37.0	34.2	40.7	52.7	63.8	64.7	70.2	191.3	330.8	315.1	295.7
82.5°	12.9	12.9	15.7	21.3	21.3	21.3	25.9	46.2	65.6	60.1	57.3
85°	0.0	0.0	0.0	0.0	1.8	2.8	1.8	3.7	6.5	7.4	7.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8	2.8	3.7	3.7
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°	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6
2.5°	675.4	675.4	672.6	669.0	667.1	666.2	663.4	659.7	662.5	665.3	665.3
5°	684.7	682.8	677.3	673.6	670.8	670.8	667.1	666.2	669.0	671.7	670.8
7.5°	699.4	695.7	689.3	683.7	684.7	685.6	680.0	680.0	682.8	685.6	685.6
10°	719.8	713.3	706.8	702.2	703.1	704.1	698.5	696.7	699.4	702.2	704.1
12.5°	745.6	737.3	729.9	725.3	724.4	725.3	719.8	717.9	717.9	719.8	719.8
15°	776.1	766.9	757.7	751.2	749.3	748.4	741.0	734.6	734.6	735.5	735.5
17.5°	811.2	798.3	786.3	778.9	774.3	767.8	759.5	750.3	747.5	748.4	748.4
20°	846.4	832.5	816.8	806.6	797.4	786.3	773.4	761.3	755.8	755.8	754.9
22.5°	887.0	868.5	847.3	833.4	816.8	798.3	779.8	764.1	758.6	756.7	756.7
25°	928.6	907.3	876.8	855.6	831.6	804.8	780.8	759.5	750.3	746.6	746.6
27.5°	971.1	946.1	906.4	875.9	840.8	803.9	771.5	744.7	731.8	727.2	725.3
30°	1019.1	983.1	932.3	890.7	842.7	795.5	754.0	722.5	703.1	692.1	693.0
32.5°	1069.0	1023.8	956.3	899.9	839.9	779.8	727.2	687.4	662.5	652.3	648.6
35°	1119.8	1062.6	977.6	904.6	830.6	755.8	693.0	648.6	620.9	606.1	606.1
37.5°	1171.6	1103.2	992.3	903.6	814.0	724.4	653.2	606.1	573.8	555.3	550.7
40°	1222.4	1141.1	1003.4	896.2	789.1	686.5	610.7	559.9	516.5	492.5	488.8
42.5°	1272.3	1172.5	1009.0	884.2	759.5	644.9	562.7	494.3	452.7	430.6	429.6
45°	1317.6	1197.5	1009.9	868.5	720.7	597.8	498.0	432.4	390.8	367.7	367.7
47.5°	1361.9	1225.2	1009.0	848.2	678.2	536.8	429.6	365.9	328.0	313.2	308.6
50°	1415.5	1252.9	1008.0	823.3	623.7	463.8	363.1	308.6	276.3	261.5	261.5
52.5°	1470.0	1285.2	1009.9	788.1	559.0	392.7	304.0	255.9	234.7	225.4	224.5
55°	1540.3	1319.4	1014.5	746.6	491.6	323.4	253.2	220.8	206.0	201.4	202.3
57.5°	1625.3	1366.5	1023.8	697.6	413.0	265.2	217.1	199.6	195.9	197.7	198.7
60°	1722.3	1424.8	1036.7	642.2	343.7	220.8	195.9	192.2	195.9	203.3	204.2
62.5°	1835.0	1495.0	1053.3	580.3	275.3	194.0	186.6	189.4	192.2	204.2	205.1
65°	1934.8	1570.7	1057.0	507.3	223.6	176.5	181.1	182.9	190.3	204.2	205.1
67°	1991.1	1622.5	1032.1	438.0	191.3	167.2	173.7	175.6	188.5	202.3	204.2
67.5°	1997.6	1633.6	1015.4	420.4	184.8	165.4	171.9	175.6	188.5	202.3	203.3
70°	1978.2	1626.2	904.6	316.9	152.5	152.5	159.8	168.2	181.1	195.9	202.3
72.5°	1805.4	1483.0	700.4	215.3	129.4	137.7	148.8	160.8	172.8	190.3	201.4
75°	1141.1	954.5	428.7	144.1	108.1	122.9	140.4	154.3	164.5	177.4	184.8
77.5°	609.8	472.1	184.8	85.0	85.0	109.0	130.3	143.2	148.8	153.4	158.0
80°	288.3	219.9	89.6	50.8	59.1	85.0	115.5	129.4	131.2	136.7	138.6
82.5°	57.3	49.9	29.6	26.8	38.8	61.0	96.1	111.8	112.7	122.0	123.8
85°	7.4	6.5	4.6	10.2	24.9	45.3	73.9	96.1	97.9	97.9	96.1
87.5°	3.7	2.8	2.8	7.4	18.5	34.2	61.0	80.4	81.3	63.8	61.9
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)