

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: P1211938

Luminaire Tested: **GKO-PB2D-850-U-T2R**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211938
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2D-850-U-T2R
Description: GEKKO WALL PACK 10000LM PACKAGE 80CRI 5000K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (20) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

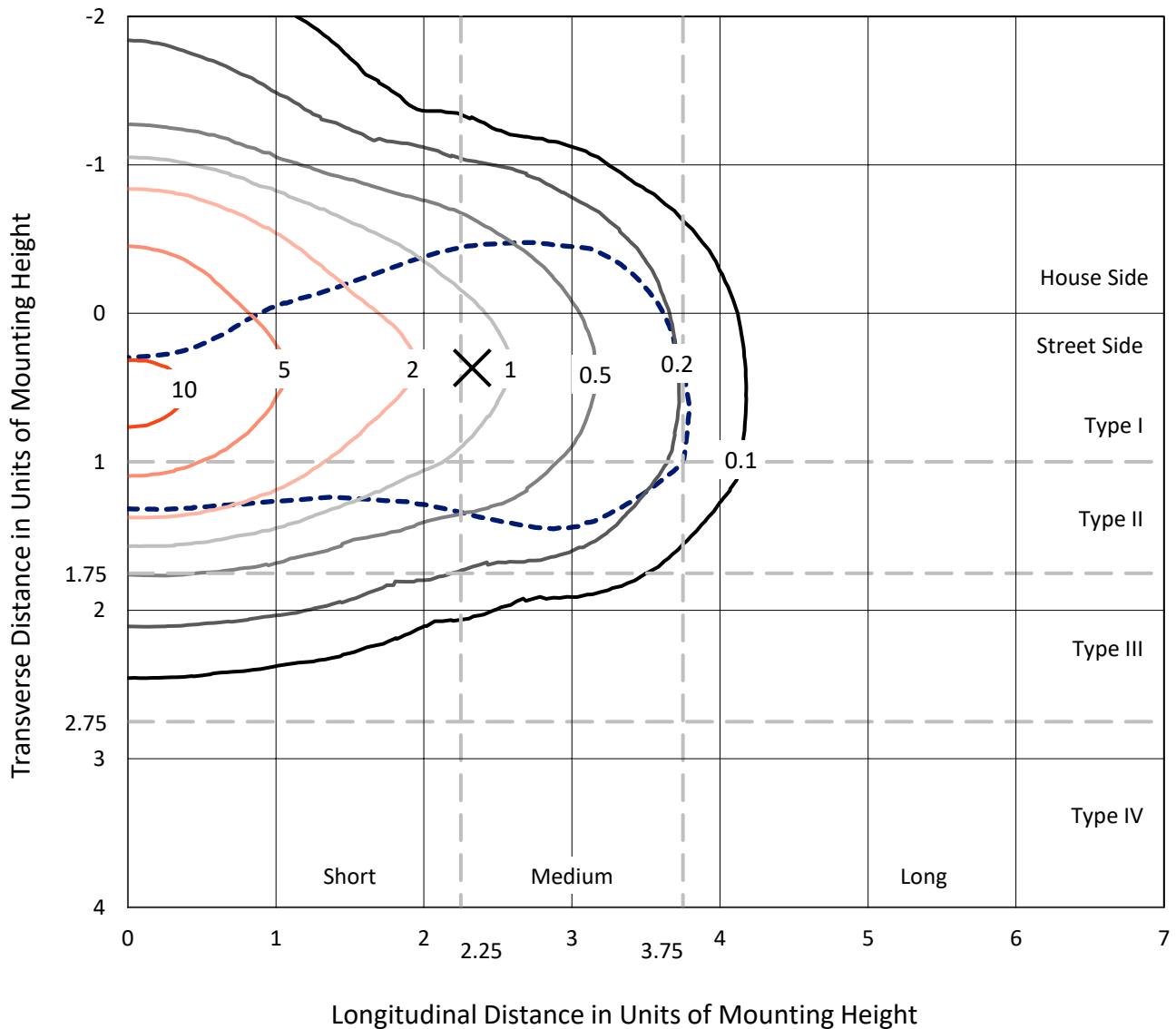
Lumens per Lamp: N/A
Luminaire Lumens: 9713.7 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 76.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 8%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1211938
CATALOG NUMBER: GKO-PB2D-850-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

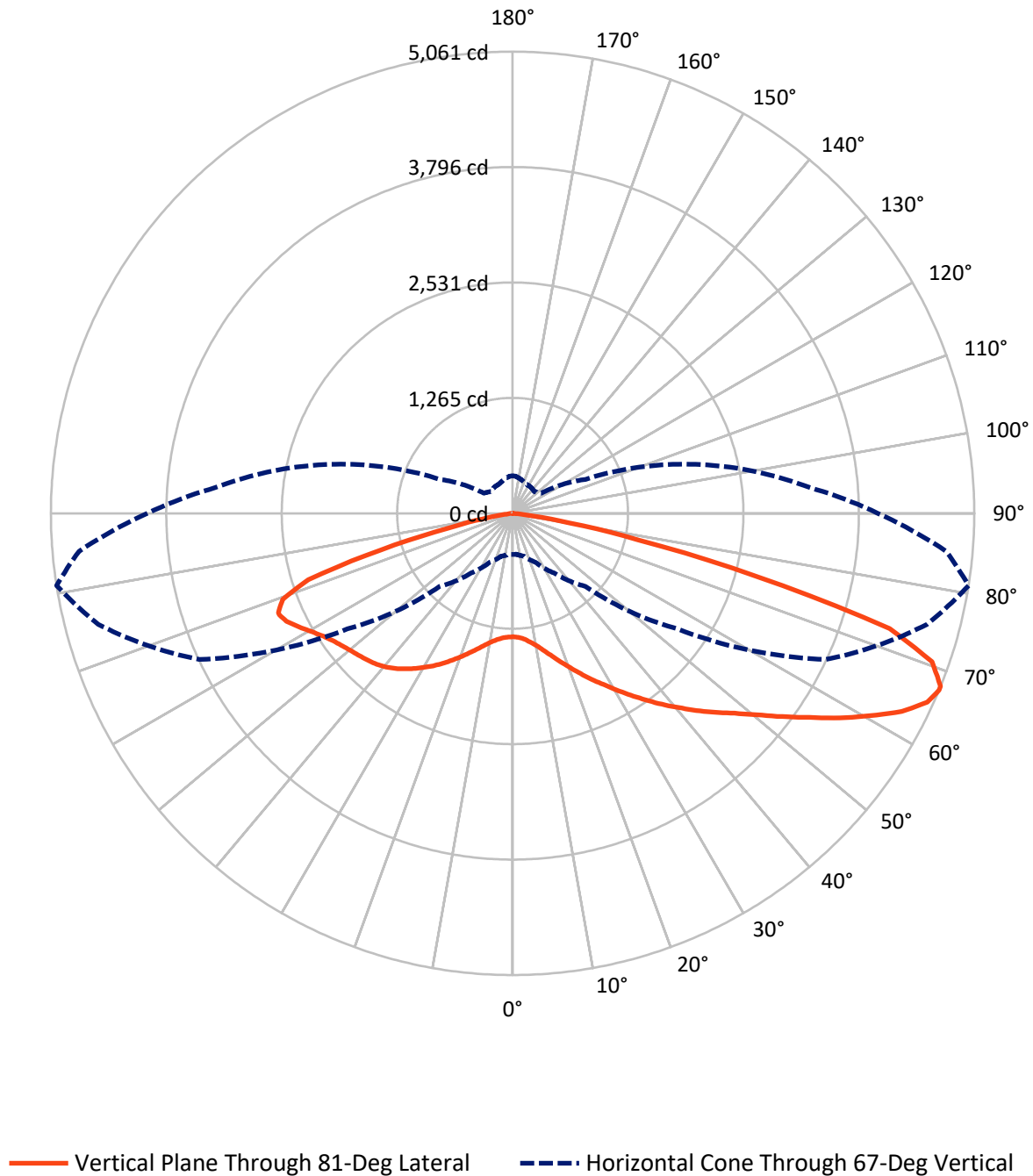
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 11.6 fc
Type II - Medium - N/A

REPORT NUMBER: P1211938
CATALOG NUMBER: GKO-PB2D-850-U-T2R

Luminous Intensity Polar Plot



REPORT NUMBER: P1211938

CATALOG NUMBER: GKO-PB2D-850-U-T2R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2999.6	0.0	2999.6
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	6714.2	0.0	6714.2
	% Fixture	69.1	0.0	69.1
Total	Lumens	9713.7	0.0	9713.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.1	1.4
10°-20°	507.3	5.2
20°-30°	1027.8	10.6
30°-40°	1620.6	16.7
40°-50°	1990.2	20.5
50°-60°	1901.3	19.6
60°-70°	1594.5	16.4
70°-80°	844.6	8.7
80°-90°	87.3	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°	9713.7	100.0
0°-180°	9713.7	100.0

Coefficient of Utilization



REPORT NUMBER: P1211938

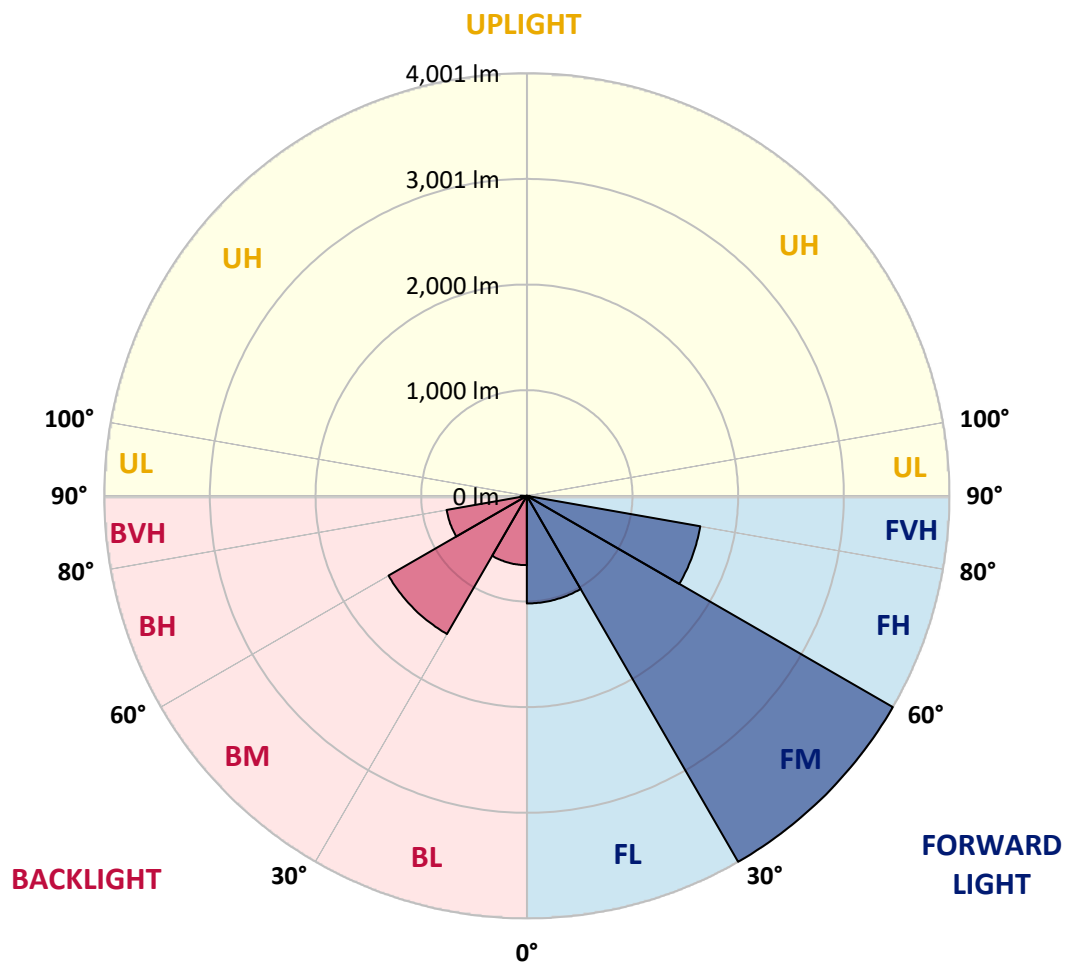
CATALOG NUMBER: GKO-PB2D-850-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1018.8	10.5			
FM	(30°-60°)	4000.7	41.2			
FH	(60°-80°)	1667.5	17.2			G1/1800
FVH	(80°-90°)	27.1	0.3			G1/100
BL	(0°-30°)	656.4	6.8	B2/1000		
BM	(30°-60°)	1511.4	15.6	B2/2500		
BH	(60°-80°)	771.6	7.9	B2/1000		G2/1000
BVH	(80°-90°)	60.2	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium





REPORT NUMBER: P1211938

CATALOG NUMBER: GKO-PB2D-850-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1
2.5°	1431.2	1434.9	1427.5	1425.6	1418.2	1407.0	1394.0	1384.7	1369.8	1362.4	1358.7
5°	1566.9	1559.4	1553.8	1544.5	1518.5	1496.2	1459.0	1433.0	1405.1	1386.6	1381.0
7.5°	1732.3	1736.0	1717.4	1693.2	1656.1	1611.5	1552.0	1503.7	1451.6	1427.5	1416.3
10°	1912.6	1927.4	1908.8	1879.1	1808.5	1741.6	1669.1	1585.4	1514.8	1477.6	1462.8
12.5°	2131.9	2141.2	2117.0	2078.0	1992.5	1892.1	1789.9	1685.8	1592.9	1546.4	1520.4
15°	2377.2	2369.8	2345.6	2288.0	2178.4	2066.8	1927.4	1791.7	1682.1	1624.5	1587.3
17.5°	2630.0	2620.7	2589.1	2514.8	2390.2	2250.8	2085.4	1914.4	1776.9	1713.7	1663.5
20°	2871.6	2862.3	2840.0	2756.4	2605.8	2434.8	2241.5	2055.7	1884.7	1806.6	1750.9
22.5°	3139.3	3131.8	3096.5	2994.3	2832.6	2644.9	2420.0	2198.8	2001.8	1908.8	1841.9
25°	3429.2	3431.1	3392.1	3248.9	3066.8	2847.5	2611.4	2360.5	2133.7	2016.6	1940.4
27.5°	3767.5	3765.6	3698.7	3544.5	3315.9	3063.1	2801.0	2529.6	2263.8	2126.3	2039.0
30°	4074.2	4066.8	3992.4	3838.1	3574.2	3289.8	3001.7	2693.2	2410.7	2247.1	2141.2
32.5°	4300.9	4302.8	4241.5	4072.3	3814.0	3511.0	3189.5	2877.2	2551.9	2377.2	2260.1
35°	4464.5	4466.4	4406.9	4261.9	4020.3	3717.3	3388.3	3050.1	2709.9	2511.1	2384.7
37.5°	4516.5	4516.5	4477.5	4364.1	4167.1	3903.2	3583.5	3247.1	2867.9	2656.0	2511.1
40°	4445.9	4451.5	4449.6	4375.3	4239.6	4031.4	3763.8	3436.7	3044.5	2799.1	2639.3
42.5°	4286.1	4289.8	4295.4	4267.5	4224.7	4100.2	3908.8	3630.0	3221.1	2955.3	2765.7
45°	4022.1	4037.0	4064.9	4076.0	4092.8	4083.5	3998.0	3810.3	3418.1	3111.4	2890.2
47.5°	3687.6	3711.7	3748.9	3815.8	3908.8	3983.1	4020.3	3949.7	3609.5	3273.1	3029.6
50°	3222.9	3248.9	3349.3	3488.7	3672.7	3817.7	3958.9	4053.7	3823.3	3470.1	3185.7
52.5°	2579.8	2635.6	2804.7	3072.4	3388.3	3603.9	3828.8	4103.9	4040.7	3702.5	3371.6
55°	1962.7	1983.2	2200.7	2522.2	3009.2	3373.5	3650.4	4077.9	4245.2	3945.9	3583.5
57.5°	1371.7	1394.0	1583.6	1934.9	2473.9	3072.4	3472.0	3990.5	4431.0	4232.2	3827.0
60°	973.9	998.1	1139.4	1399.6	1921.9	2633.7	3306.6	3879.0	4592.8	4503.5	4107.6
62.5°	708.2	721.2	795.5	1014.8	1388.4	2059.4	3070.5	3806.5	4706.1	4786.1	4395.7
65°	542.7	555.7	598.5	736.0	1026.0	1505.5	2646.7	3804.7	4735.9	4994.2	4644.8
67°	451.7	449.8	487.0	591.1	801.1	1131.9	2209.9	3789.8	4702.4	5061.1	4771.2
67.5°	427.5	434.9	464.7	552.0	756.5	1042.7	2115.2	3765.6	4691.3	5059.3	4780.5
70°	340.1	342.0	368.0	436.8	568.8	756.5	1522.2	3527.7	4522.1	4877.1	4676.4
72.5°	249.1	247.2	286.2	330.8	434.9	550.2	1020.4	2962.7	4156.0	4321.4	4157.8
75°	184.0	182.1	202.6	252.8	310.4	410.8	661.7	1933.0	2814.0	2749.0	2538.9
77.5°	122.7	126.4	145.0	185.9	221.2	254.6	330.8	890.3	1550.1	1401.4	1349.4
80°	74.3	68.8	81.8	105.9	128.2	130.1	141.3	384.7	665.4	633.8	594.8
82.5°	26.0	26.0	31.6	42.7	42.7	42.7	52.0	92.9	132.0	120.8	115.2
85°	0.0	0.0	0.0	0.0	3.7	5.6	3.7	7.4	13.0	14.9	14.9
87.5°	0.0	0.0	0.0	0.0	0.0	1.9	1.9	3.7	5.6	7.4	7.4
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: P1211938

CATALOG NUMBER: GKO-PB2D-850-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1
2.5°	1358.7	1358.7	1353.1	1345.7	1342.0	1340.1	1334.5	1327.1	1332.7	1338.2	1338.2
5°	1377.3	1373.6	1362.4	1355.0	1349.4	1349.4	1342.0	1340.1	1345.7	1351.2	1349.4
7.5°	1407.0	1399.6	1386.6	1375.4	1377.3	1379.1	1368.0	1368.0	1373.6	1379.1	1379.1
10°	1447.9	1434.9	1421.9	1412.6	1414.4	1416.3	1405.1	1401.4	1407.0	1412.6	1416.3
12.5°	1499.9	1483.2	1468.3	1459.0	1457.2	1459.0	1447.9	1444.2	1444.2	1447.9	1447.9
15°	1561.3	1542.7	1524.1	1511.1	1507.4	1505.5	1490.6	1477.6	1477.6	1479.5	1479.5
17.5°	1631.9	1605.9	1581.7	1566.9	1557.6	1544.5	1527.8	1509.2	1503.7	1505.5	1505.5
20°	1702.5	1674.7	1643.1	1622.6	1604.0	1581.7	1555.7	1531.5	1520.4	1520.4	1518.5
22.5°	1784.3	1747.1	1704.4	1676.5	1643.1	1605.9	1568.7	1537.1	1526.0	1522.2	1522.2
25°	1868.0	1825.2	1763.9	1721.1	1672.8	1618.9	1570.6	1527.8	1509.2	1501.8	1501.8
27.5°	1953.5	1903.3	1823.3	1762.0	1691.4	1617.0	1552.0	1498.1	1472.1	1462.8	1459.0
30°	2050.1	1977.6	1875.4	1791.7	1695.1	1600.3	1516.7	1453.5	1414.4	1392.1	1394.0
32.5°	2150.5	2059.4	1923.7	1810.3	1689.5	1568.7	1462.8	1382.8	1332.7	1312.2	1304.8
35°	2252.7	2137.5	1966.5	1819.6	1670.9	1520.4	1394.0	1304.8	1249.0	1219.3	1219.3
37.5°	2356.8	2219.2	1996.2	1817.8	1637.5	1457.2	1314.1	1219.3	1154.2	1117.1	1107.8
40°	2459.0	2295.4	2018.5	1802.9	1587.3	1381.0	1228.6	1126.3	1039.0	990.7	983.2
42.5°	2559.4	2358.6	2029.7	1778.7	1527.8	1297.3	1131.9	994.4	910.7	866.1	864.3
45°	2650.5	2408.8	2031.5	1747.1	1449.8	1202.6	1001.8	869.9	786.2	739.7	739.7
47.5°	2739.7	2464.6	2029.7	1706.3	1364.3	1079.9	864.3	736.0	659.8	630.1	620.8
50°	2847.5	2520.3	2027.8	1656.1	1254.6	933.0	730.5	620.8	555.7	526.0	526.0
52.5°	2957.1	2585.4	2031.5	1585.4	1124.5	789.9	611.5	514.8	472.1	453.5	451.7
55°	3098.4	2654.2	2040.8	1501.8	988.8	650.5	509.3	444.2	414.5	405.2	407.0
57.5°	3269.4	2749.0	2059.4	1403.3	830.8	533.4	436.8	401.5	394.0	397.8	399.6
60°	3464.5	2866.1	2085.4	1291.8	691.4	444.2	394.0	386.6	394.0	408.9	410.8
62.5°	3691.3	3007.3	2118.9	1167.2	553.9	390.3	375.4	381.0	386.6	410.8	412.6
65°	3892.0	3159.7	2126.3	1020.4	449.8	355.0	364.3	368.0	382.9	410.8	412.6
67°	4005.4	3263.8	2076.1	881.0	384.7	336.4	349.4	353.1	379.2	407.0	410.8
67.5°	4018.4	3286.1	2042.7	845.7	371.7	332.7	345.7	353.1	379.2	407.0	408.9
70°	3979.4	3271.2	1819.6	637.5	306.7	306.7	321.5	338.3	364.3	394.0	407.0
72.5°	3631.8	2983.2	1408.9	433.1	260.2	276.9	299.2	323.4	347.6	382.9	405.2
75°	2295.4	1920.0	862.4	290.0	217.5	247.2	282.5	310.4	330.8	356.9	371.7
77.5°	1226.7	949.8	371.7	171.0	171.0	219.3	262.1	288.1	299.2	308.5	317.8
80°	579.9	442.4	180.3	102.2	119.0	171.0	232.3	260.2	263.9	275.1	278.8
82.5°	115.2	100.4	59.5	53.9	78.1	122.7	193.3	224.9	226.8	245.3	249.1
85°	14.9	13.0	9.3	20.4	50.2	91.1	148.7	193.3	197.0	197.0	193.3
87.5°	7.4	5.6	5.6	14.9	37.2	68.8	122.7	161.7	163.6	128.2	124.5
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)