

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: P1211878

Luminaire Tested: **GKO-PB2D-850-U-T3**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211878
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-T3
Description: GEKKO WALL PACK 10000LM PACKAGE 80CRI 5000K FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (20) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

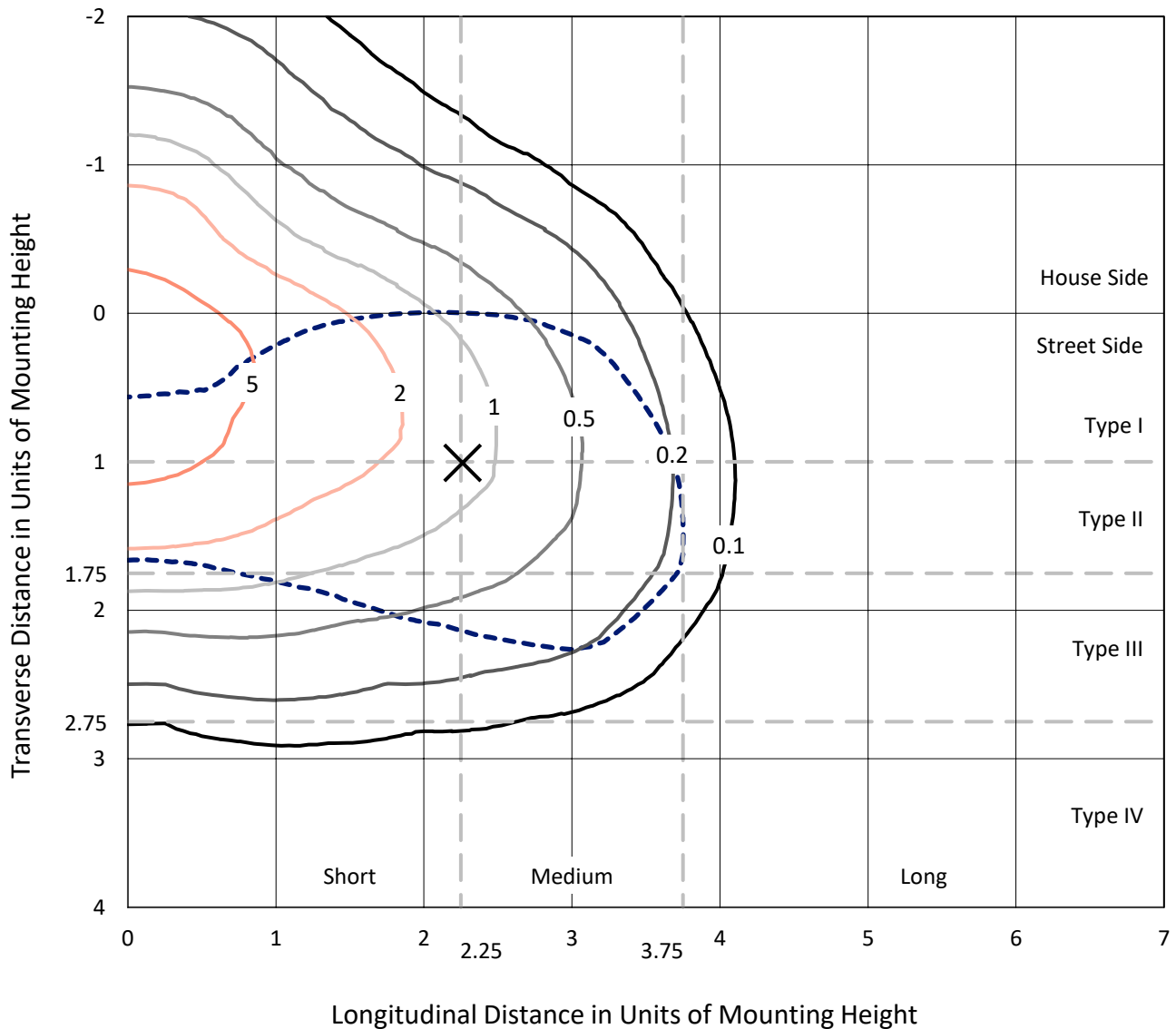
Lumens per Lamp: N/A
Luminaire Lumens: 9574.8 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

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

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Iso-Footcandle Lines of Horizontal Illumination

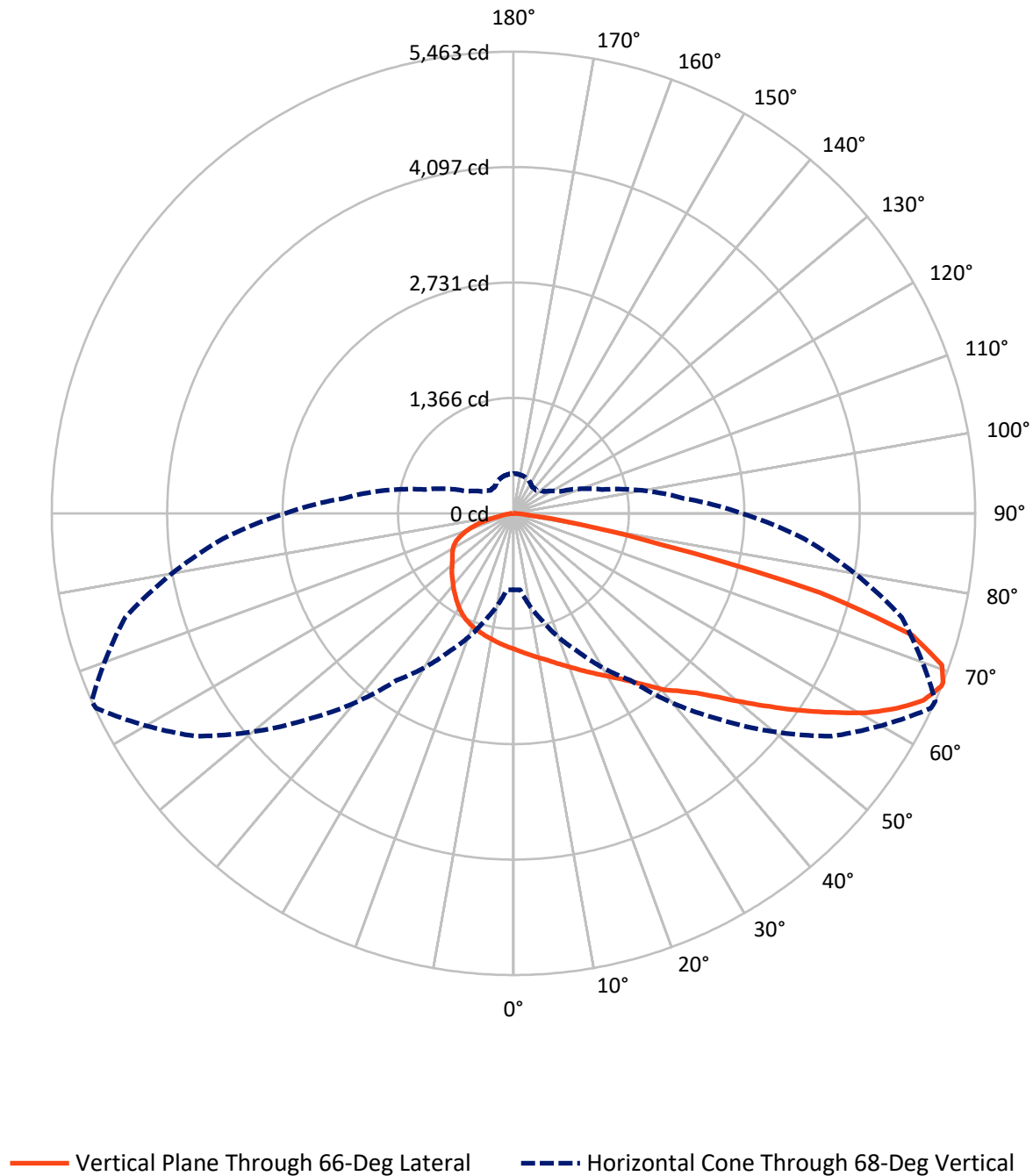
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2451.3	0.0	2451.3
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	7123.5	0.0	7123.5
	% Fixture	74.4	0.0	74.4
Total	Lumens	9574.8	0.0	9574.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.0	1.6
10°-20°	463.1	4.8
20°-30°	798.0	8.3
30°-40°	1237.8	12.9
40°-50°	1695.8	17.7
50°-60°	2022.9	21.1
60°-70°	2027.0	21.2
70°-80°	1072.7	11.2
80°-90°	103.5	1.1
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°	9574.8	100.0
0°-180°	9574.8	100.0



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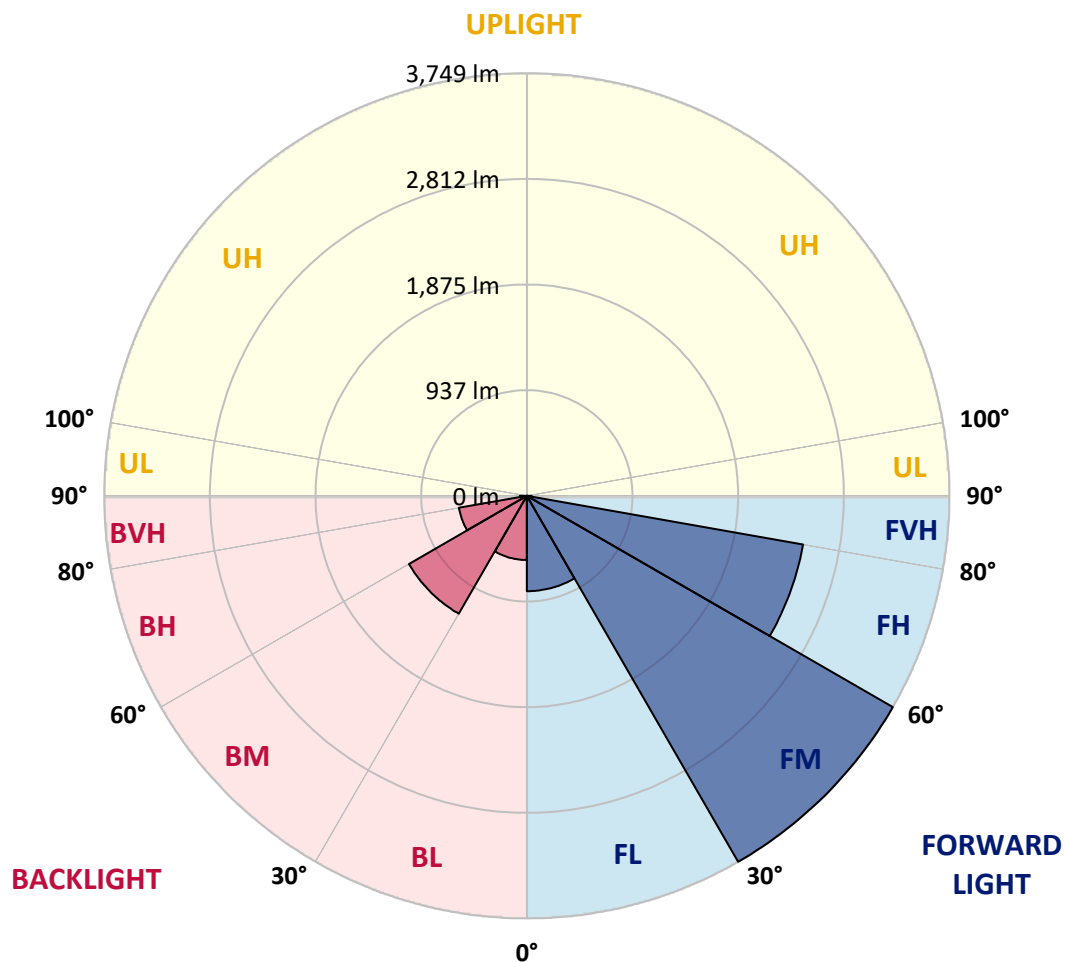
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	845.7	8.8			
FM	(30°-60°)	3749.0	39.2			
FH	(60°-80°)	2488.1	26.0			G2/5000
FVH	(80°-90°)	40.7	0.4			G1/100
BL	(0°-30°)	569.4	5.9	B2/1000		
BM	(30°-60°)	1207.5	12.6	B2/2500		
BH	(60°-80°)	611.6	6.4	B2/1000		G2/1000
BVH	(80°-90°)	62.8	0.7			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1672.8	1672.8	1669.1	1667.2	1665.4	1654.2	1646.8	1637.5	1637.5	1622.6	1609.6
5°	1730.4	1732.3	1724.9	1724.9	1717.4	1702.6	1687.7	1669.1	1669.1	1646.8	1620.8
7.5°	1780.6	1786.2	1778.8	1778.8	1771.3	1754.6	1730.4	1704.4	1704.4	1672.8	1635.6
10°	1828.9	1832.7	1828.9	1832.7	1821.5	1806.6	1778.8	1743.4	1741.6	1702.6	1650.5
12.5°	1868.0	1871.7	1873.6	1879.1	1869.8	1858.7	1832.7	1788.1	1782.5	1736.0	1669.1
15°	1905.1	1908.9	1914.4	1921.9	1920.0	1910.7	1886.6	1836.4	1832.7	1773.2	1693.3
17.5°	1934.9	1936.7	1947.9	1962.8	1966.5	1968.3	1942.3	1890.3	1886.6	1815.9	1719.3
20°	1977.6	1981.4	1992.5	2007.4	2018.5	2026.0	2005.5	1947.9	1944.2	1866.1	1752.7
22.5°	2074.3	2068.7	2074.3	2074.3	2079.9	2091.0	2076.1	2018.5	2011.1	1925.6	1793.6
25°	2256.4	2250.9	2236.0	2202.5	2165.4	2163.5	2146.8	2091.0	2081.7	1986.9	1832.7
27.5°	2511.1	2498.1	2470.2	2399.6	2310.3	2252.7	2226.7	2169.1	2157.9	2048.3	1869.8
30°	2780.6	2795.5	2749.0	2652.3	2488.8	2366.1	2315.9	2250.9	2241.6	2117.0	1914.4
32.5°	3094.7	3096.6	3050.1	2916.3	2704.4	2509.2	2423.7	2343.8	2336.4	2197.0	1973.9
35°	3276.9	3284.3	3263.8	3139.3	2897.7	2667.2	2553.8	2457.2	2451.6	2297.3	2048.3
37.5°	3466.4	3483.2	3451.6	3314.0	3044.5	2814.0	2698.8	2592.9	2587.3	2412.6	2141.2
40°	3747.1	3739.7	3706.2	3503.6	3182.1	2936.7	2841.9	2758.3	2745.3	2553.8	2236.0
42.5°	3949.7	3968.3	3895.8	3667.2	3332.6	3059.4	2985.0	2890.3	2873.5	2639.3	2291.8
45°	4018.5	4001.7	3921.8	3754.5	3529.6	3170.9	3120.7	3048.2	3031.5	2789.9	2401.4
47.5°	4033.3	4003.6	3933.0	3806.6	3696.9	3315.9	3286.2	3269.4	3245.3	2979.5	2533.4
50°	3942.3	3921.8	3888.4	3825.2	3804.7	3451.6	3466.4	3527.8	3507.3	3183.9	2680.2
52.5°	3736.0	3726.7	3756.4	3797.3	3743.4	3568.7	3680.2	3804.7	3797.3	3408.8	2838.2
55°	3347.5	3347.5	3514.8	3657.9	3689.5	3644.9	3910.7	4124.4	4115.1	3661.6	2988.8
57.5°	2992.5	2998.1	3137.5	3459.0	3592.8	3726.7	4167.2	4459.0	4444.1	3946.0	3146.7
60°	2544.5	2544.5	2756.4	3159.8	3453.4	3789.9	4393.9	4782.4	4791.7	4221.1	3302.9
62.5°	2014.8	2020.4	2314.1	2788.0	3252.7	3801.0	4574.2	5087.2	5085.4	4470.1	3423.7
65°	1485.1	1486.9	1886.6	2375.4	2951.6	3722.9	4672.7	5321.4	5332.6	4667.2	3494.3
67.5°	964.7	983.2	1388.4	1927.5	2525.9	3501.8	4620.7	5445.9	5458.9	4758.2	3472.0
68°	903.3	907.0	1314.1	1804.8	2410.7	3446.0	4596.5	5451.5	5462.7	4756.4	3449.7
70°	585.5	585.5	940.5	1408.9	1923.7	3098.4	4386.5	5364.2	5377.2	4674.6	3288.0
72.5°	316.0	321.6	537.2	853.1	1314.1	2397.7	3959.0	4908.8	4931.1	4226.6	2875.4
75°	221.2	224.9	312.3	477.7	715.6	1561.3	3094.7	3750.8	3747.1	2920.0	1801.1
77.5°	159.8	159.8	178.4	297.4	375.5	713.7	1531.6	1806.6	1786.2	1425.6	908.9
80°	104.1	104.1	111.5	156.1	180.3	217.5	468.4	782.5	797.4	695.1	453.5
82.5°	42.7	44.6	48.3	63.2	65.1	91.1	133.8	224.9	217.5	176.6	128.2
85°	5.6	5.6	7.4	9.3	11.2	20.4	18.6	18.6	18.6	22.3	20.4
87.5°	0.0	0.0	0.0	0.0	0.0	1.9	3.7	5.6	5.6	7.4	5.6
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°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1605.9	1605.9	1594.7	1583.6	1572.4	1563.2	1550.1	1540.8	1542.7	1548.3	1546.4
5°	1615.2	1605.9	1583.6	1559.4	1540.8	1524.1	1500.0	1486.9	1485.1	1488.8	1486.9
7.5°	1620.8	1605.9	1572.4	1535.3	1505.5	1483.2	1449.8	1436.8	1431.2	1433.0	1433.0
10°	1631.9	1607.8	1561.3	1509.2	1472.1	1440.5	1405.2	1386.6	1381.0	1381.0	1379.1
12.5°	1644.9	1611.5	1550.1	1486.9	1438.6	1401.4	1360.6	1340.1	1334.5	1334.5	1332.7
15°	1657.9	1617.1	1539.0	1462.8	1407.0	1362.4	1323.4	1299.2	1291.8	1291.8	1295.5
17.5°	1674.7	1622.6	1527.8	1440.5	1373.6	1323.4	1282.5	1258.3	1249.0	1254.6	1258.3
20°	1691.4	1633.8	1516.7	1416.3	1340.1	1288.1	1247.2	1223.0	1213.7	1223.0	1224.9
22.5°	1715.6	1643.1	1503.7	1388.4	1306.7	1249.0	1211.9	1189.6	1184.0	1193.3	1200.7
25°	1739.7	1654.2	1486.9	1358.7	1263.9	1208.1	1178.4	1161.7	1163.5	1176.5	1184.0
27.5°	1765.7	1663.5	1470.2	1321.5	1217.4	1165.4	1143.1	1139.4	1146.8	1161.7	1171.0
30°	1797.3	1676.5	1447.9	1278.8	1165.4	1118.9	1109.6	1120.8	1133.8	1148.7	1158.0
32.5°	1838.2	1693.3	1425.6	1230.4	1111.5	1068.7	1083.6	1107.8	1122.6	1137.5	1146.8
35°	1895.9	1726.7	1412.6	1182.1	1053.9	1026.0	1059.4	1098.5	1109.6	1118.9	1130.1
37.5°	1962.8	1771.3	1407.0	1137.5	1001.8	988.8	1035.3	1081.8	1085.5	1089.2	1100.3
40°	2027.8	1804.8	1392.2	1089.2	947.9	947.9	1005.5	1050.2	1048.3	1042.7	1050.2
42.5°	2053.8	1801.1	1349.4	1042.7	905.2	907.0	959.1	1001.8	990.7	990.7	1001.8
45°	2128.2	1830.8	1317.8	1005.5	866.1	858.7	899.6	933.1	951.6	975.8	987.0
47.5°	2223.0	1871.7	1293.6	962.8	829.0	804.8	827.1	882.9	914.5	940.5	949.8
50°	2321.5	1918.2	1271.3	918.2	791.8	743.5	754.6	816.0	843.8	856.9	862.4
52.5°	2421.9	1960.9	1254.6	881.0	749.0	671.0	695.1	752.8	773.2	780.6	784.4
55°	2511.1	1996.2	1239.7	849.4	700.7	613.4	632.0	691.4	706.3	713.7	719.3
57.5°	2605.9	2035.3	1230.4	819.7	646.8	563.2	576.2	630.1	650.5	658.0	663.5
60°	2689.5	2072.4	1223.0	788.1	596.6	518.6	526.0	578.1	600.4	604.1	609.6
62.5°	2745.3	2096.6	1211.9	749.0	550.2	475.8	477.7	527.9	552.0	555.7	559.5
65°	2760.1	2091.0	1178.4	697.0	503.7	433.1	433.1	481.4	507.4	520.4	526.0
67.5°	2715.5	2044.6	1107.8	630.1	459.1	394.0	394.0	436.8	464.7	479.5	485.1
68°	2700.7	2024.1	1085.5	613.4	447.9	384.7	384.7	429.4	455.4	468.4	472.1
70°	2574.3	1923.7	983.2	550.2	412.6	356.9	356.9	395.9	423.8	423.8	421.9
72.5°	2236.0	1667.2	808.5	461.0	360.6	316.0	321.6	358.7	368.0	377.3	375.5
75°	1384.7	998.1	542.7	364.3	303.0	276.9	288.1	321.6	327.1	347.6	342.0
77.5°	693.3	488.8	288.1	211.9	234.2	237.9	258.4	282.5	299.2	321.6	306.7
80°	342.0	237.9	169.1	132.0	137.5	174.7	224.9	243.5	273.2	288.1	275.1
82.5°	94.8	72.5	68.8	72.5	102.2	135.7	176.6	215.6	254.6	267.7	249.1
85°	16.7	13.0	11.2	35.3	70.6	100.4	143.1	191.4	228.6	219.3	206.3
87.5°	5.6	3.7	3.7	22.3	52.0	81.8	122.7	171.0	195.2	176.6	158.0
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)