

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: P1211797

Luminaire Tested: **GKO-PB2E-835-U-T4W**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211797
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2E-835-U-T4W
Description: GEKKO WALL PACK 12000LM PACKAGE 80CRI 3500K FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC
Light Source: (20) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

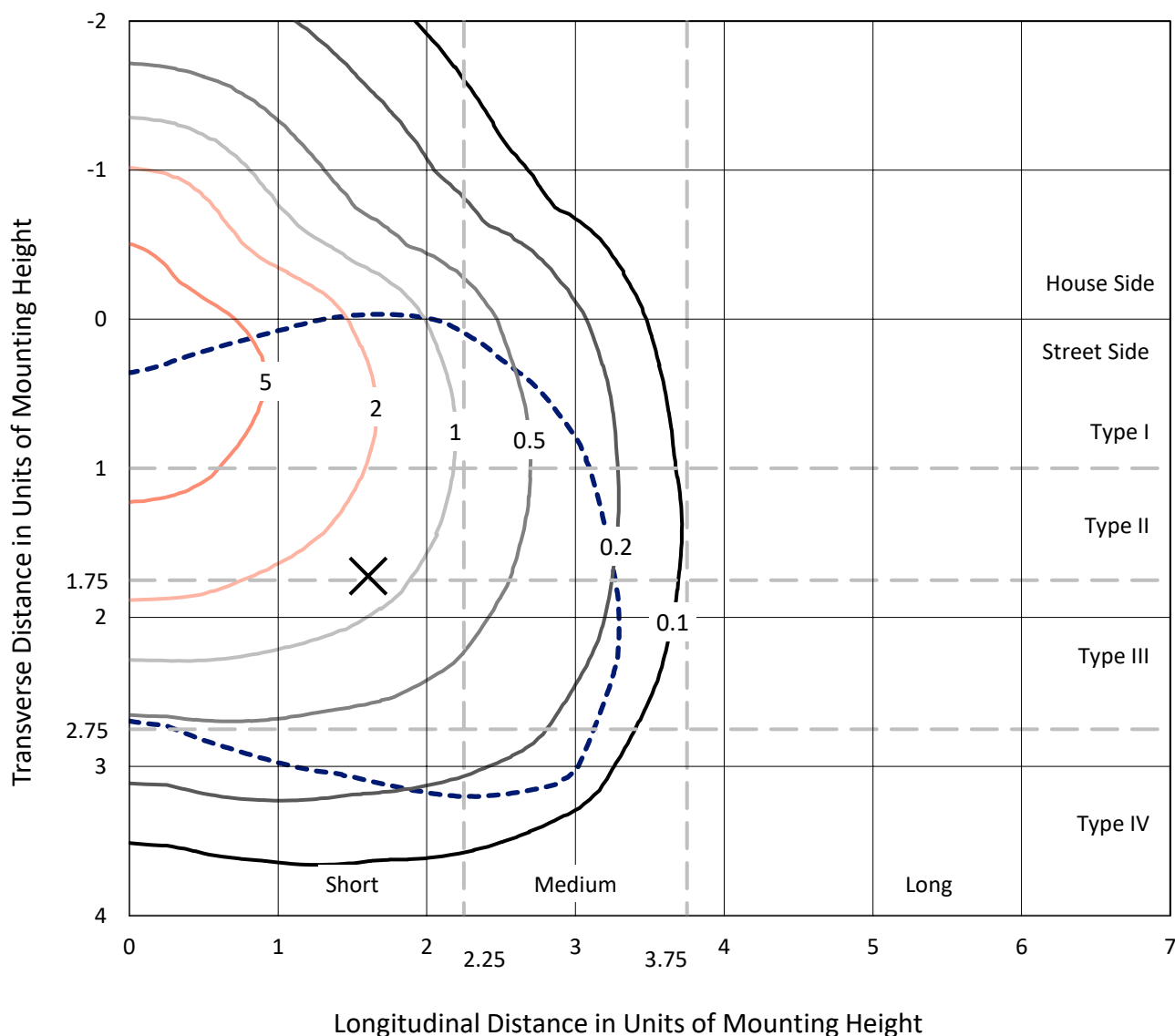
Lumens per Lamp: N/A
Luminaire Lumens: 11098.7 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 104.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 6%
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

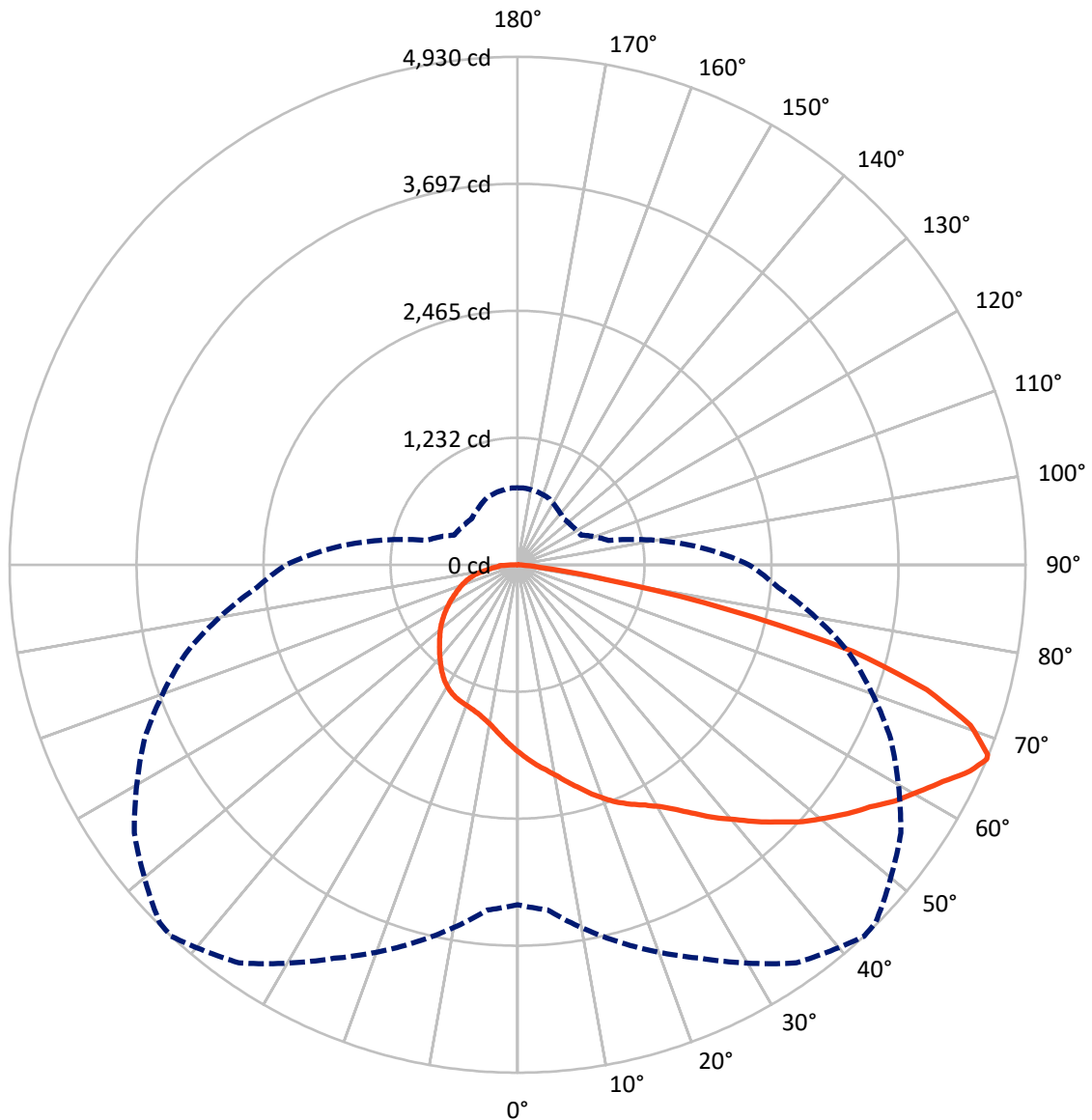
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2985.2	0.0	2985.2
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	8113.5	0.0	8113.5
	% Fixture	73.1	0.0	73.1
Total	Lumens	11098.7	0.0	11098.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.1	1.6
10°-20°	535.2	4.8
20°-30°	926.6	8.3
30°-40°	1375.1	12.4
40°-50°	1868.0	16.8
50°-60°	2293.1	20.7
60°-70°	2416.8	21.8
70°-80°	1334.1	12.0
80°-90°	175.7	1.6
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°	11098.7	100.0
0°-180°	11098.7	100.0



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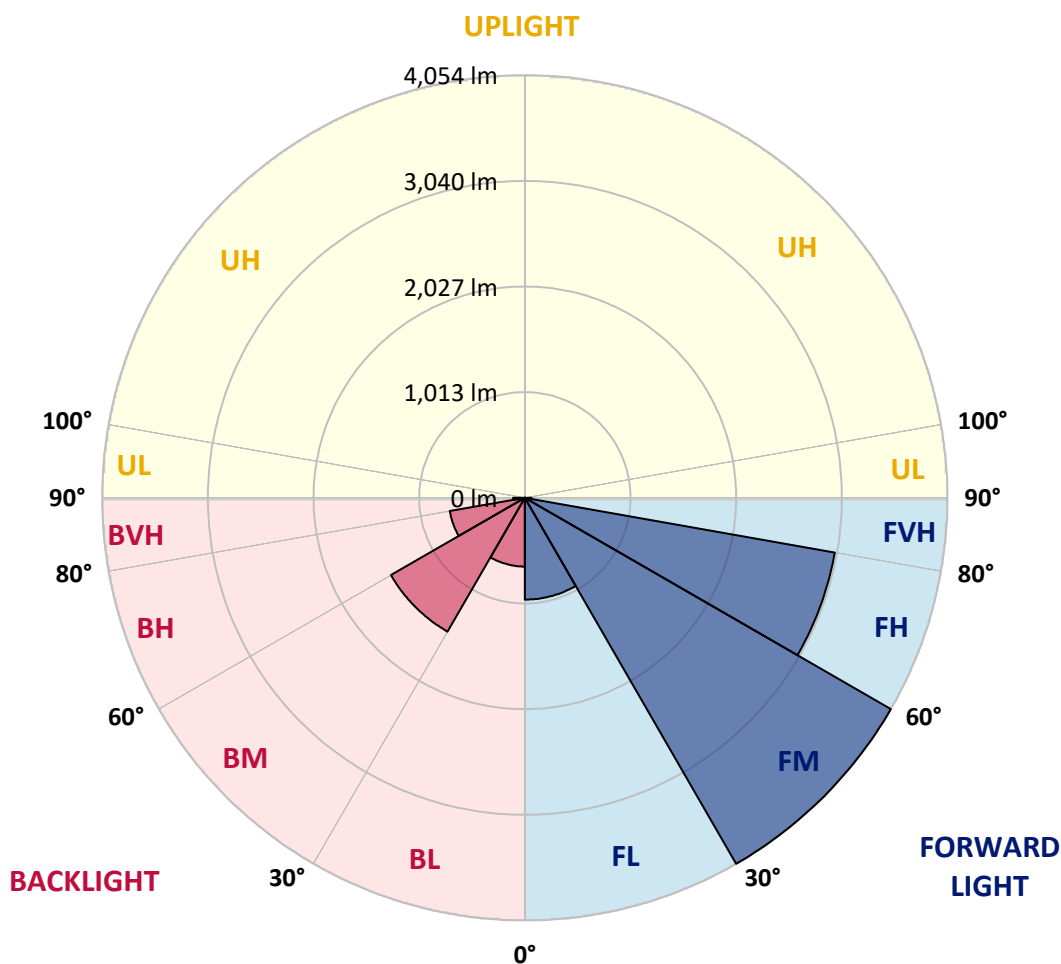
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	976.4	8.8			
FM	(30°-60°)	4053.5	36.5			
FH	(60°-80°)	3019.3	27.2			G2/5000
FVH	(80°-90°)	64.2	0.6			G1/100
BL	(0°-30°)	659.5	5.9	B2/1000		
BM	(30°-60°)	1482.6	13.4	B2/2500		
BH	(60°-80°)	731.5	6.6	B2/1000		G2/1000
BVH	(80°-90°)	111.5	1.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1821.7	1821.7	1821.7	1821.7	1821.7	1821.7	1821.7	1821.7	1821.7	1821.7	1821.7
2.5°	1906.1	1910.5	1906.1	1901.7	1892.8	1888.3	1883.9	1872.8	1859.4	1839.4	1823.9
5°	1990.5	1990.5	1983.8	1979.4	1966.1	1952.7	1946.1	1919.4	1890.5	1857.2	1826.1
7.5°	2068.3	2077.2	2066.0	2054.9	2034.9	2012.7	2008.3	1968.3	1928.3	1883.9	1837.2
10°	2166.0	2172.7	2157.1	2148.2	2110.5	2081.6	2072.7	2023.8	1970.5	1915.0	1855.0
12.5°	2266.0	2270.4	2259.3	2239.3	2199.3	2163.8	2150.5	2086.0	2017.2	1950.5	1875.0
15°	2352.6	2357.1	2352.6	2330.4	2292.6	2248.2	2230.4	2159.4	2074.9	1988.3	1899.4
17.5°	2417.1	2425.9	2425.9	2414.8	2381.5	2339.3	2328.2	2239.3	2141.6	2032.7	1928.3
20°	2472.6	2477.0	2485.9	2479.3	2461.5	2425.9	2410.4	2326.0	2208.2	2083.8	1957.2
22.5°	2517.0	2521.5	2537.0	2534.8	2523.7	2505.9	2490.4	2412.6	2286.0	2134.9	1983.8
25°	2594.8	2592.6	2601.4	2594.8	2581.4	2574.8	2565.9	2497.0	2363.7	2194.9	2019.4
27.5°	2730.3	2725.8	2717.0	2683.6	2650.3	2641.4	2634.8	2585.9	2454.8	2263.8	2059.4
30°	2930.2	2934.7	2892.5	2816.9	2750.3	2723.6	2714.7	2681.4	2557.0	2343.7	2103.8
32.5°	3167.9	3165.7	3096.8	2990.2	2885.8	2832.5	2814.7	2779.2	2659.2	2423.7	2154.9
35°	3339.0	3334.6	3299.0	3203.5	3094.6	2968.0	2934.7	2879.1	2768.1	2514.8	2206.0
37.5°	3570.0	3563.4	3494.5	3394.5	3296.8	3114.6	3076.9	3001.3	2872.5	2603.7	2263.8
40°	3834.4	3792.2	3678.9	3576.7	3443.4	3250.1	3219.0	3121.3	2992.4	2712.5	2330.4
42.5°	4074.3	4012.1	3865.5	3736.7	3570.0	3410.1	3370.1	3254.6	3108.0	2812.5	2399.3
45°	4434.2	4283.2	4072.1	3996.6	3707.8	3561.2	3527.8	3385.7	3234.6	2921.3	2468.1
47.5°	4389.8	4283.2	4214.3	4205.4	3852.2	3725.5	3676.7	3530.1	3370.1	3036.9	2539.2
50°	4476.4	4392.0	4396.5	4287.6	3983.3	3865.5	3830.0	3681.1	3507.8	3150.2	2614.8
52.5°	4458.7	4483.1	4469.8	4300.9	4109.9	4012.1	3985.5	3836.6	3638.9	3259.0	2681.4
55°	4600.8	4587.5	4558.6	4392.0	4249.8	4149.9	4127.7	3998.8	3772.2	3352.3	2739.2
57.5°	4705.3	4636.4	4634.2	4494.2	4405.3	4323.1	4287.6	4165.4	3896.6	3434.5	2783.6
60°	4640.8	4558.6	4618.6	4509.8	4500.9	4469.8	4449.8	4312.0	4007.7	3496.7	2801.4
62.5°	4296.5	4316.5	4494.2	4487.5	4605.3	4634.2	4612.0	4414.2	4081.0	3518.9	2788.1
65°	3841.1	3901.1	4174.3	4407.6	4727.5	4827.4	4805.2	4487.5	4074.3	3467.8	2699.2
67°	3299.0	3363.4	3790.0	4214.3	4716.4	4929.6	4914.1	4540.9	3994.4	3336.8	2539.2
67.5°	3179.0	3252.4	3678.9	4125.4	4676.4	4920.7	4909.6	4545.3	3967.7	3274.6	2477.0
70°	2339.3	2425.9	3028.0	3625.6	4356.5	4663.0	4660.8	4378.7	3692.2	2936.9	2148.2
72.5°	1457.3	1535.1	2159.4	2828.0	3774.4	4152.1	4136.5	3814.4	3179.0	2397.1	1695.0
75°	893.1	941.9	1359.6	1843.9	2737.0	3361.2	3383.4	2981.3	2168.2	1424.0	957.5
77.5°	546.5	599.8	857.5	1137.4	1672.8	2090.5	2094.9	1652.8	1113.0	775.3	524.3
80°	304.4	317.7	446.5	595.4	857.5	862.0	826.4	728.7	577.6	373.2	268.8
82.5°	120.0	128.9	193.3	239.9	244.4	255.5	237.7	215.5	182.2	120.0	84.4
85°	0.0	0.0	0.0	4.4	15.6	31.1	31.1	22.2	8.9	6.7	6.7
87.5°	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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°	1821.7	1821.7	1821.7	1821.7	1821.7	1821.7	1821.7	1821.7	1821.7	1821.7	1821.7
2.5°	1819.5	1817.2	1801.7	1783.9	1770.6	1759.5	1748.4	1735.0	1735.0	1739.5	1737.3
5°	1815.0	1803.9	1775.0	1743.9	1719.5	1697.3	1677.3	1659.5	1657.3	1659.5	1661.7
7.5°	1817.2	1797.2	1752.8	1706.2	1666.2	1637.3	1608.4	1595.1	1592.9	1592.9	1592.9
10°	1826.1	1797.2	1737.3	1672.8	1624.0	1581.7	1550.6	1537.3	1539.5	1541.8	1544.0
12.5°	1841.7	1801.7	1726.1	1644.0	1581.7	1539.5	1508.4	1497.3	1506.2	1517.3	1519.5
15°	1857.2	1810.6	1715.0	1619.5	1548.4	1501.8	1479.6	1477.3	1492.9	1512.9	1517.3
17.5°	1875.0	1817.2	1701.7	1588.4	1512.9	1475.1	1464.0	1470.7	1495.1	1526.2	1532.9
20°	1892.8	1826.1	1686.2	1559.5	1479.6	1452.9	1459.6	1479.6	1510.7	1548.4	1555.1
22.5°	1910.5	1832.8	1666.2	1524.0	1444.0	1435.1	1459.6	1492.9	1524.0	1566.2	1575.1
25°	1930.5	1841.7	1641.7	1479.6	1408.5	1415.1	1457.3	1497.3	1530.7	1575.1	1586.2
27.5°	1961.6	1855.0	1617.3	1439.6	1368.5	1390.7	1446.2	1495.1	1530.7	1572.9	1586.2
30°	1992.7	1868.3	1597.3	1397.4	1328.5	1357.4	1424.0	1484.0	1519.5	1557.3	1575.1
32.5°	2028.3	1886.1	1579.5	1355.1	1284.1	1319.6	1392.9	1459.6	1501.8	1535.1	1552.9
35°	2066.0	1912.8	1566.2	1317.4	1239.6	1270.7	1346.3	1428.5	1470.7	1501.8	1517.3
37.5°	2114.9	1941.6	1557.3	1279.6	1193.0	1219.6	1297.4	1384.0	1432.9	1457.3	1477.3
40°	2168.2	1983.8	1557.3	1248.5	1148.5	1166.3	1246.3	1339.6	1388.5	1408.5	1428.5
42.5°	2221.6	2026.1	1555.1	1217.4	1101.9	1115.2	1195.2	1290.7	1337.4	1352.9	1368.5
45°	2283.8	2074.9	1552.9	1181.9	1050.8	1064.1	1146.3	1241.8	1286.3	1299.6	1312.9
47.5°	2350.4	2123.8	1544.0	1137.4	1004.1	1015.3	1097.4	1186.3	1230.7	1246.3	1259.6
50°	2410.4	2170.5	1521.8	1086.3	961.9	973.0	1046.4	1119.7	1159.7	1177.4	1190.8
52.5°	2463.7	2203.8	1486.2	1028.6	915.3	928.6	984.1	1048.6	1079.7	1093.0	1101.9
55°	2505.9	2221.6	1428.5	973.0	870.9	877.5	921.9	979.7	1004.1	1006.4	1013.0
57.5°	2534.8	2219.3	1350.7	908.6	826.4	828.6	859.7	910.8	928.6	926.4	930.8
60°	2541.5	2190.5	1257.4	848.6	782.0	775.3	806.4	842.0	853.1	862.0	873.1
62.5°	2514.8	2121.6	1150.8	788.7	737.6	726.4	748.7	779.8	797.5	802.0	806.4
65°	2417.1	1995.0	1021.9	726.4	693.1	673.1	697.6	742.0	770.9	779.8	777.5
67°	2246.0	1817.2	910.8	679.8	648.7	630.9	666.5	713.1	733.1	746.4	746.4
67.5°	2190.5	1752.8	873.1	664.2	637.6	622.0	655.4	699.8	726.4	742.0	742.0
70°	1859.4	1437.3	737.6	586.5	573.2	575.4	615.4	664.2	697.6	713.1	713.1
72.5°	1417.4	1113.0	599.8	511.0	506.5	522.1	573.2	617.6	659.8	686.5	684.2
75°	804.2	642.0	437.6	417.7	435.4	466.5	531.0	579.8	617.6	644.3	642.0
77.5°	468.7	386.6	302.1	286.6	337.7	408.8	475.4	537.6	564.3	573.2	566.5
80°	237.7	202.2	188.8	195.5	226.6	304.4	415.4	488.7	508.7	515.4	508.7
82.5°	75.5	68.9	75.5	100.0	151.1	239.9	335.5	442.1	466.5	466.5	464.3
85°	4.4	4.4	4.4	44.4	104.4	177.7	262.1	386.6	437.6	433.2	426.5
87.5°	2.2	2.2	2.2	28.9	82.2	148.8	231.0	351.0	417.7	386.6	364.3
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)