

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: P1211897

Luminaire Tested: **GKO-PB2E-827-U-T2R**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211897
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2E-827-U-T2R
Description: GEKKO WALL PACK 12000LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (20) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

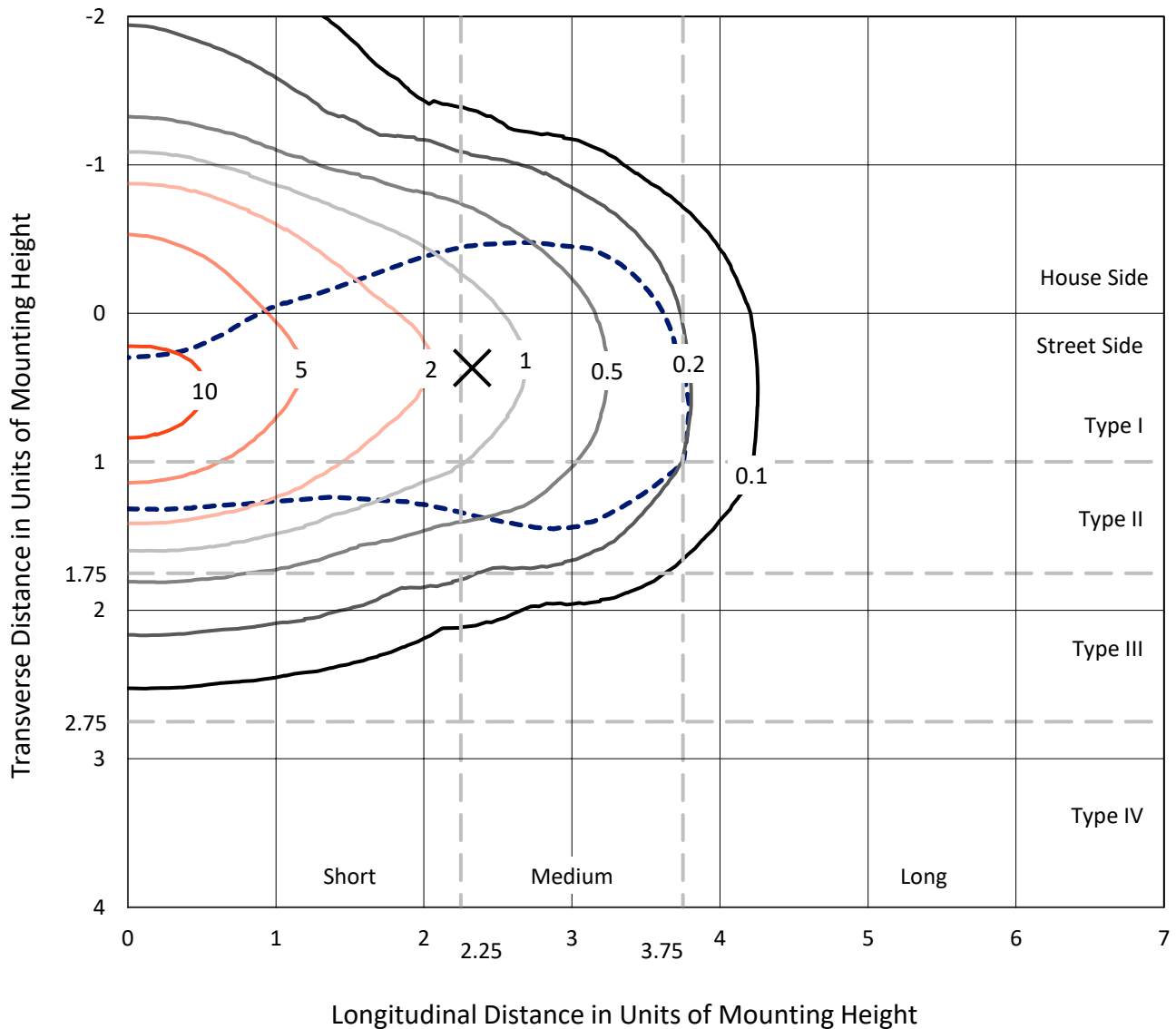
Lumens per Lamp: N/A
Luminaire Lumens: 11000.2 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 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

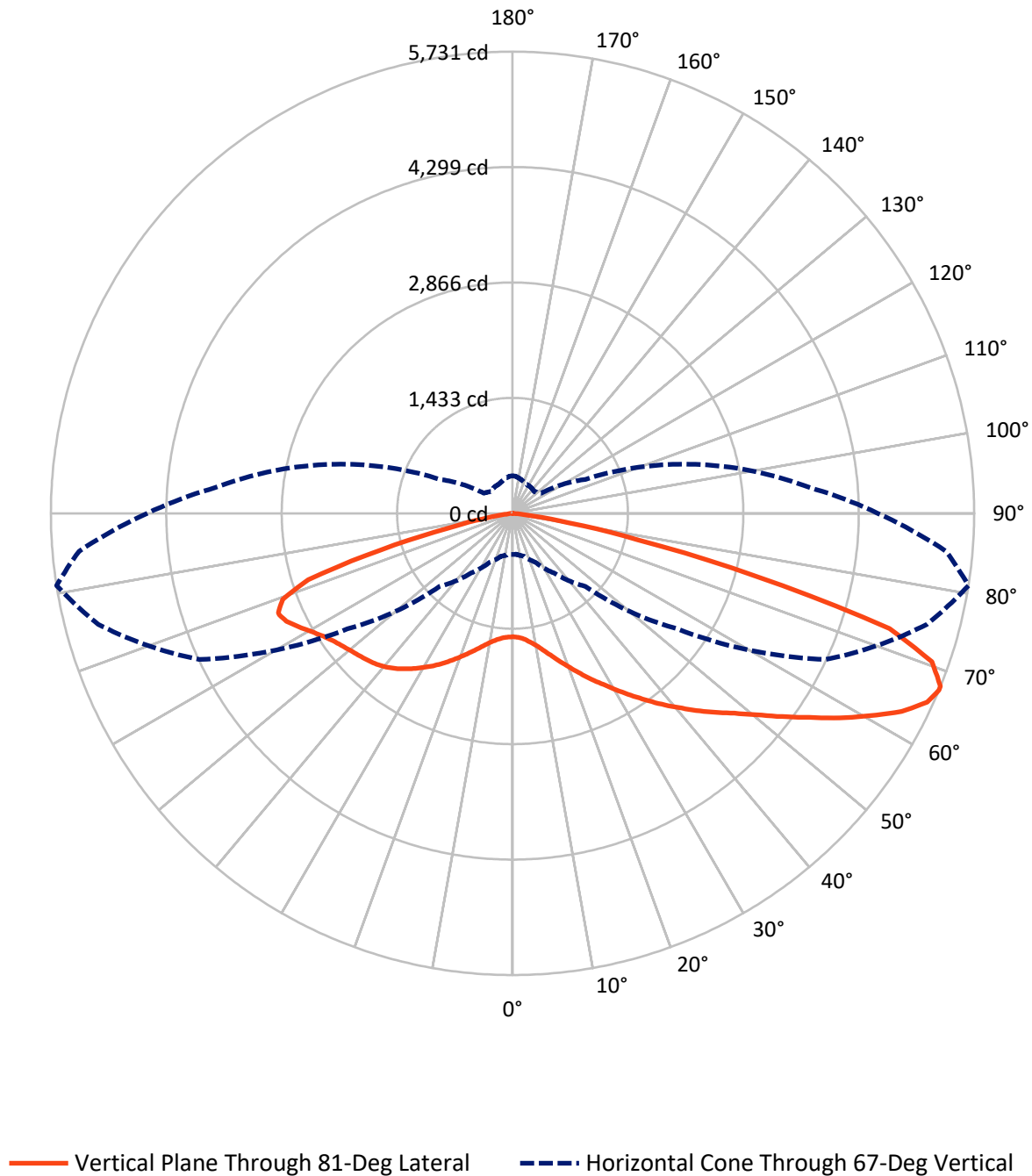
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 13.1 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	3396.8	0.0	3396.8
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	7603.4	0.0	7603.4
	% Fixture	69.1	0.0	69.1
Total	Lumens	11000.2	0.0	11000.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.7	1.4
10°-20°	574.5	5.2
20°-30°	1163.9	10.6
30°-40°	1835.2	16.7
40°-50°	2253.8	20.5
50°-60°	2153.1	19.6
60°-70°	1805.6	16.4
70°-80°	956.5	8.7
80°-90°	98.8	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°	11000.2	100.0
0°-180°	11000.2	100.0

Coefficient of Utilization



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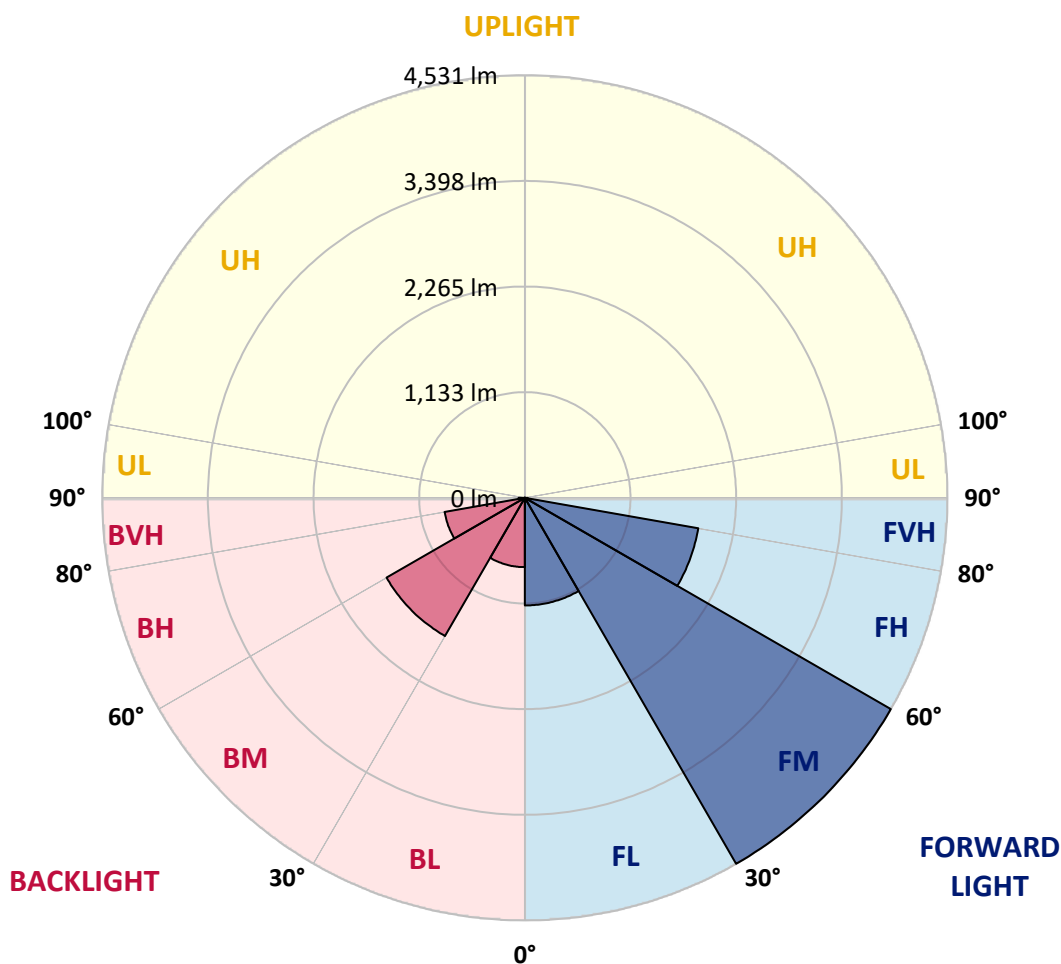
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1153.8	10.5			
FM	(30°-60°)	4530.6	41.2			
FH	(60°-80°)	1888.3	17.2			G2/5000
FVH	(80°-90°)	30.7	0.3			G1/100
BL	(0°-30°)	743.3	6.8	B2/1000		
BM	(30°-60°)	1711.6	15.6	B2/2500		
BH	(60°-80°)	873.8	7.9	B2/1000		G2/1000
BVH	(80°-90°)	68.1	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3
2.5°	1620.7	1624.9	1616.5	1614.4	1606.0	1593.3	1578.6	1568.1	1551.3	1542.8	1538.6
5°	1774.4	1765.9	1759.6	1749.1	1719.6	1694.4	1652.3	1622.8	1591.2	1570.2	1563.9
7.5°	1961.7	1965.9	1944.9	1917.5	1875.4	1824.9	1757.5	1702.8	1643.9	1616.5	1603.9
10°	2165.9	2182.7	2161.6	2128.0	2048.0	1972.2	1890.1	1795.4	1715.4	1673.3	1656.5
12.5°	2414.2	2424.8	2397.4	2353.2	2256.4	2142.7	2026.9	1909.1	1803.8	1751.2	1721.7
15°	2692.1	2683.6	2656.3	2591.0	2466.8	2340.6	2182.7	2029.0	1904.9	1839.6	1797.5
17.5°	2978.3	2967.8	2932.0	2847.8	2706.8	2548.9	2361.6	2168.0	2012.2	1940.6	1883.8
20°	3251.9	3241.4	3216.2	3121.4	2951.0	2757.3	2538.4	2327.9	2134.3	2045.9	1982.7
22.5°	3555.0	3546.6	3506.6	3390.9	3207.7	2995.2	2740.5	2490.0	2266.9	2161.6	2085.9
25°	3883.4	3885.5	3841.3	3679.2	3473.0	3224.6	2957.3	2673.1	2416.3	2283.7	2197.4
27.5°	4266.5	4264.4	4188.6	4013.9	3755.0	3468.7	3172.0	2864.7	2563.7	2407.9	2309.0
30°	4613.8	4605.3	4521.2	4346.5	4047.6	3725.5	3399.3	3049.9	2730.0	2544.7	2424.8
32.5°	4870.6	4872.7	4803.2	4611.7	4319.1	3976.0	3611.9	3258.3	2889.9	2692.1	2559.5
35°	5055.8	5057.9	4990.5	4826.4	4552.7	4209.6	3837.1	3454.0	3068.8	2843.6	2700.5
37.5°	5114.7	5114.7	5070.5	4942.1	4719.0	4420.1	4058.1	3677.1	3247.7	3007.8	2843.6
40°	5034.7	5041.0	5038.9	4954.7	4801.1	4565.4	4262.3	3891.8	3447.7	3169.9	2988.8
42.5°	4853.7	4857.9	4864.2	4832.7	4784.3	4643.2	4426.4	4110.7	3647.7	3346.7	3132.0
45°	4554.8	4571.7	4603.2	4615.9	4634.8	4624.3	4527.5	4314.9	3870.8	3523.5	3273.0
47.5°	4176.0	4203.3	4245.4	4321.2	4426.4	4510.6	4552.7	4472.7	4087.6	3706.6	3430.9
50°	3649.8	3679.2	3792.9	3950.7	4159.1	4323.3	4483.3	4590.6	4329.6	3929.7	3607.7
52.5°	2921.5	2984.6	3176.2	3479.3	3837.1	4081.2	4335.9	4647.4	4575.9	4192.8	3818.1
55°	2222.7	2245.8	2492.1	2856.2	3407.7	3820.2	4133.9	4618.0	4807.4	4468.5	4058.1
57.5°	1553.4	1578.6	1793.3	2191.1	2801.5	3479.3	3931.8	4519.0	5017.9	4792.7	4333.8
60°	1102.9	1130.3	1290.3	1584.9	2176.4	2982.5	3744.5	4392.8	5201.0	5100.0	4651.7
62.5°	801.9	816.7	900.9	1149.2	1572.3	2332.1	3477.2	4310.7	5329.4	5419.9	4977.9
65°	614.6	629.3	677.8	833.5	1161.9	1704.9	2997.3	4308.6	5363.1	5655.6	5259.9
67°	511.5	509.4	551.5	669.3	907.2	1281.8	2502.6	4291.7	5325.2	5731.4	5403.1
67.5°	484.1	492.5	526.2	625.1	856.7	1180.8	2395.3	4264.4	5312.6	5729.3	5413.6
70°	385.2	387.3	416.8	494.6	644.1	856.7	1723.8	3994.9	5121.0	5523.0	5295.7
72.5°	282.0	279.9	324.1	374.7	492.5	623.0	1155.5	3355.1	4706.4	4893.7	4708.5
75°	208.4	206.3	229.4	286.3	351.5	465.2	749.3	2189.0	3186.7	3113.0	2875.2
77.5°	138.9	143.1	164.2	210.5	250.5	288.4	374.7	1008.2	1755.4	1587.0	1528.1
80°	84.2	77.9	92.6	120.0	145.2	147.3	160.0	435.7	753.5	717.7	673.5
82.5°	29.5	29.5	35.8	48.4	48.4	48.4	58.9	105.2	149.4	136.8	130.5
85°	0.0	0.0	0.0	0.0	4.2	6.3	4.2	8.4	14.7	16.8	16.8
87.5°	0.0	0.0	0.0	0.0	0.0	2.1	2.1	4.2	6.3	8.4	8.4
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°	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3
2.5°	1538.6	1538.6	1532.3	1523.9	1519.7	1517.6	1511.3	1502.8	1509.2	1515.5	1515.5
5°	1559.7	1555.5	1542.8	1534.4	1528.1	1528.1	1519.7	1517.6	1523.9	1530.2	1528.1
7.5°	1593.3	1584.9	1570.2	1557.6	1559.7	1561.8	1549.1	1549.1	1555.5	1561.8	1561.8
10°	1639.7	1624.9	1610.2	1599.7	1601.8	1603.9	1591.2	1587.0	1593.3	1599.7	1603.9
12.5°	1698.6	1679.6	1662.8	1652.3	1650.2	1652.3	1639.7	1635.4	1635.4	1639.7	1639.7
15°	1768.0	1747.0	1726.0	1711.2	1707.0	1704.9	1688.1	1673.3	1673.3	1675.4	1675.4
17.5°	1848.0	1818.6	1791.2	1774.4	1763.8	1749.1	1730.2	1709.1	1702.8	1704.9	1704.9
20°	1928.0	1896.4	1860.7	1837.5	1816.5	1791.2	1761.7	1734.4	1721.7	1721.7	1719.6
22.5°	2020.6	1978.5	1930.1	1898.5	1860.7	1818.6	1776.5	1740.7	1728.1	1723.8	1723.8
25°	2115.3	2066.9	1997.5	1949.1	1894.3	1833.3	1778.6	1730.2	1709.1	1700.7	1700.7
27.5°	2212.2	2155.3	2064.8	1995.4	1915.4	1831.2	1757.5	1696.5	1667.0	1656.5	1652.3
30°	2321.6	2239.5	2123.8	2029.0	1919.6	1812.2	1717.5	1646.0	1601.8	1576.5	1578.6
32.5°	2435.3	2332.1	2178.5	2050.1	1913.3	1776.5	1656.5	1566.0	1509.2	1486.0	1477.6
35°	2551.0	2420.5	2226.9	2060.6	1892.2	1721.7	1578.6	1477.6	1414.4	1380.8	1380.8
37.5°	2668.9	2513.2	2260.6	2058.5	1854.3	1650.2	1488.1	1380.8	1307.1	1265.0	1254.5
40°	2784.7	2599.5	2285.8	2041.7	1797.5	1563.9	1391.3	1275.5	1176.6	1121.9	1113.4
42.5°	2898.3	2671.0	2298.5	2014.3	1730.2	1469.2	1281.8	1126.1	1031.4	980.8	978.7
45°	3001.5	2727.8	2300.6	1978.5	1641.8	1361.8	1134.5	985.1	890.3	837.7	837.7
47.5°	3102.5	2791.0	2298.5	1932.2	1544.9	1222.9	978.7	833.5	747.2	713.5	703.0
50°	3224.6	2854.1	2296.4	1875.4	1420.8	1056.6	827.2	703.0	629.3	595.7	595.7
52.5°	3348.8	2927.8	2300.6	1795.4	1273.4	894.5	692.5	583.0	534.6	513.6	511.5
55°	3508.7	3005.7	2311.1	1700.7	1119.8	736.7	576.7	503.1	469.4	458.9	461.0
57.5°	3702.4	3113.0	2332.1	1589.1	940.9	604.1	494.6	454.6	446.2	450.4	452.5
60°	3923.4	3245.6	2361.6	1462.8	783.0	503.1	446.2	437.8	446.2	463.1	465.2
62.5°	4180.2	3405.6	2399.5	1321.8	627.2	442.0	425.2	431.5	437.8	465.2	467.3
65°	4407.5	3578.2	2407.9	1155.5	509.4	402.0	412.5	416.8	433.6	465.2	467.3
67°	4535.9	3696.1	2351.1	997.7	435.7	381.0	395.7	399.9	429.4	461.0	465.2
67.5°	4550.6	3721.3	2313.2	957.7	421.0	376.8	391.5	399.9	429.4	461.0	463.1
70°	4506.4	3704.5	2060.6	722.0	347.3	347.3	364.1	383.1	412.5	446.2	461.0
72.5°	4112.8	3378.2	1595.5	490.4	294.7	313.6	338.9	366.2	393.6	433.6	458.9
75°	2599.5	2174.3	976.6	328.4	246.3	279.9	319.9	351.5	374.7	404.1	421.0
77.5°	1389.2	1075.6	421.0	193.6	193.6	248.4	296.8	326.2	338.9	349.4	359.9
80°	656.7	500.9	204.2	115.8	134.7	193.6	263.1	294.7	298.9	311.5	315.7
82.5°	130.5	113.7	67.4	61.0	88.4	138.9	218.9	254.7	256.8	277.8	282.0
85°	16.8	14.7	10.5	23.2	56.8	103.1	168.4	218.9	223.1	223.1	218.9
87.5°	8.4	6.3	6.3	16.8	42.1	77.9	138.9	183.1	185.2	145.2	141.0
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)