

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: P1211907

Luminaire Tested: **GKO-PB2E-830-U-T2R**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211907
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2E-830-U-T2R
Description: GEKKO WALL PACK 12000LM PACKAGE 80CRI 3000K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (20) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

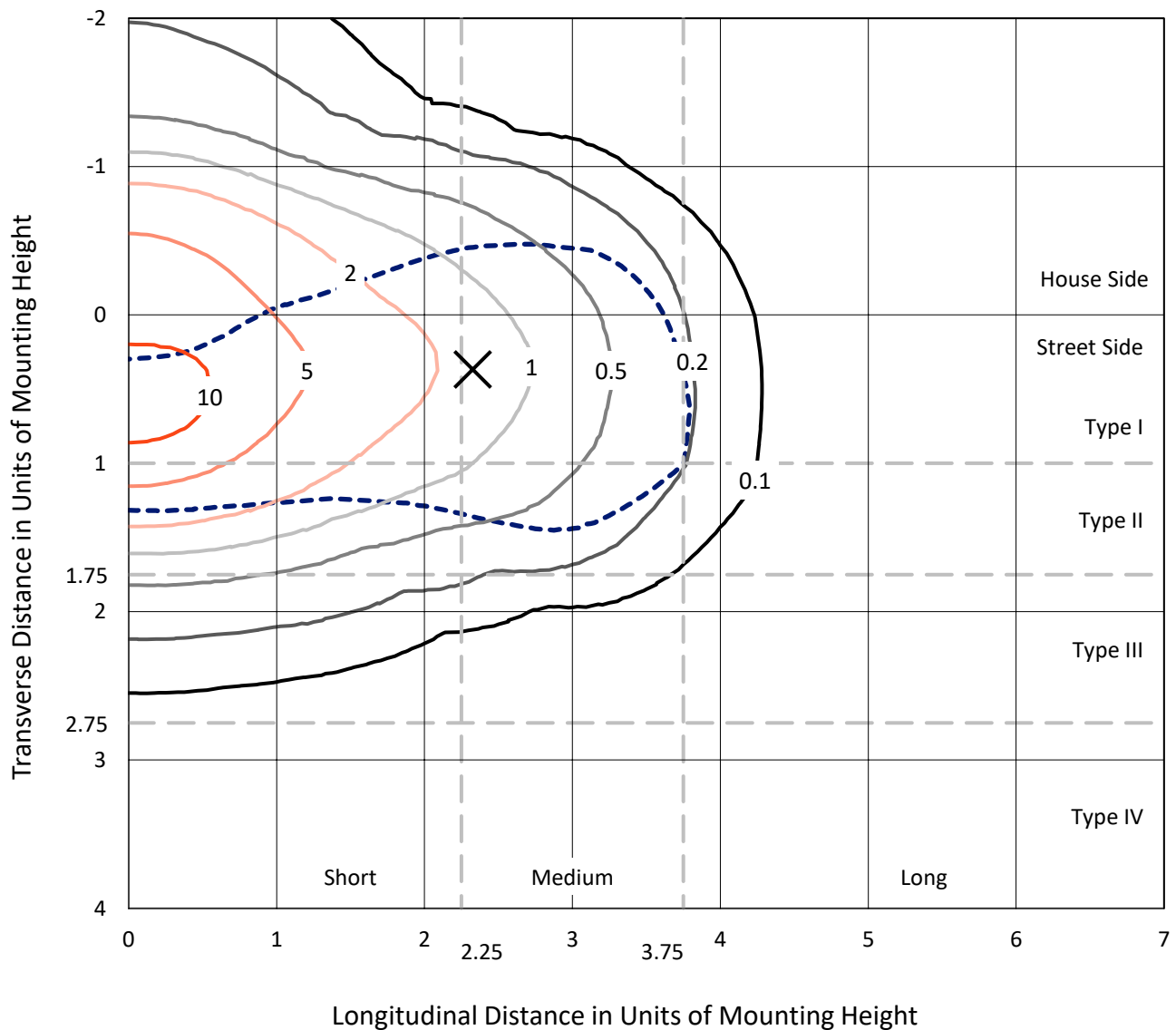
Lumens per Lamp: N/A
Luminaire Lumens: 11428.3 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

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

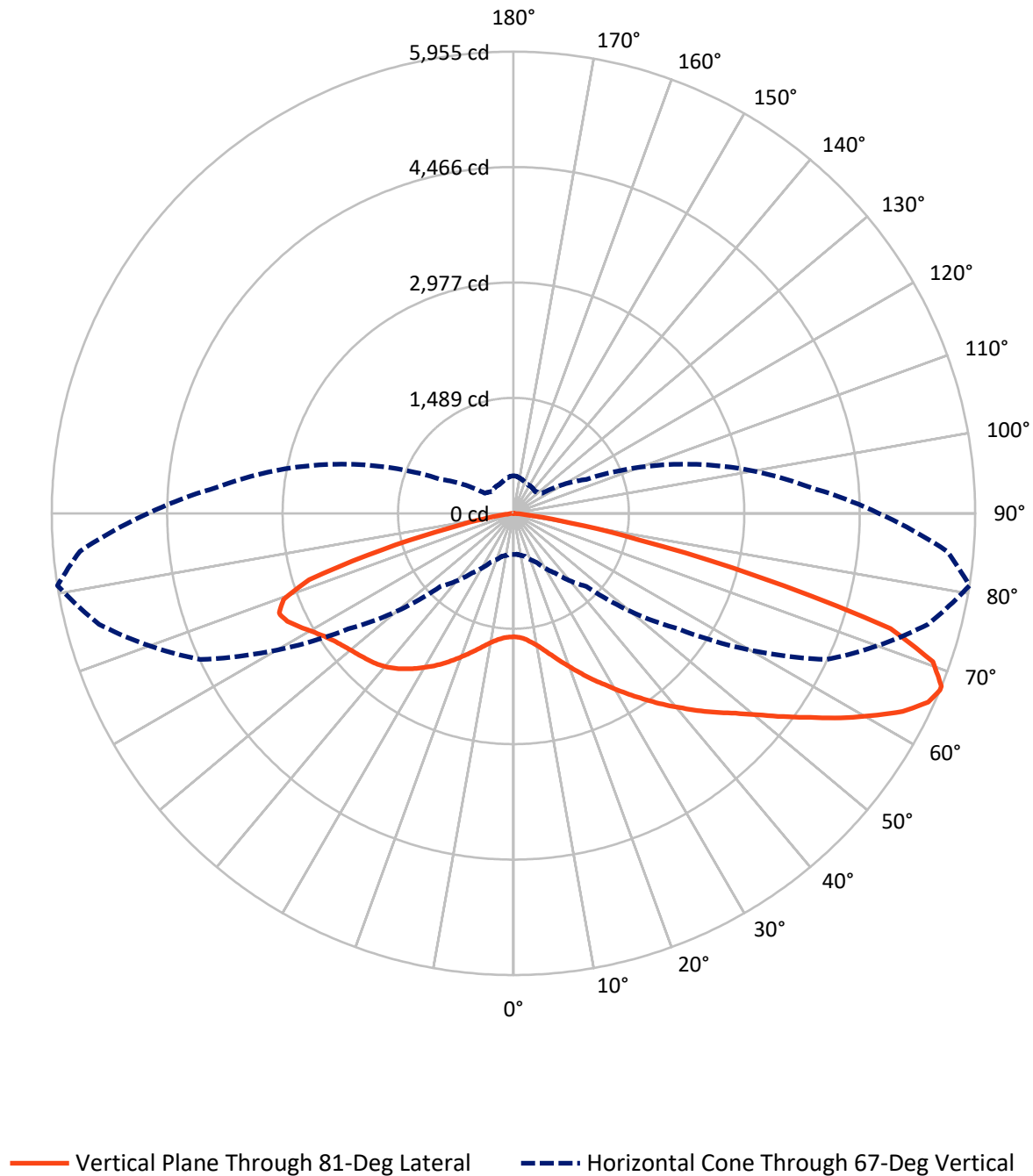
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 13.6 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	3529.0	0.0	3529.0
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	7899.3	0.0	7899.3
	% Fixture	69.1	0.0	69.1
Total	Lumens	11428.3	0.0	11428.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.9	1.4
10°-20°	596.9	5.2
20°-30°	1209.2	10.6
30°-40°	1906.7	16.7
40°-50°	2341.5	20.5
50°-60°	2236.9	19.6
60°-70°	1875.9	16.4
70°-80°	993.7	8.7
80°-90°	102.7	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°	11428.3	100.0
0°-180°	11428.3	100.0



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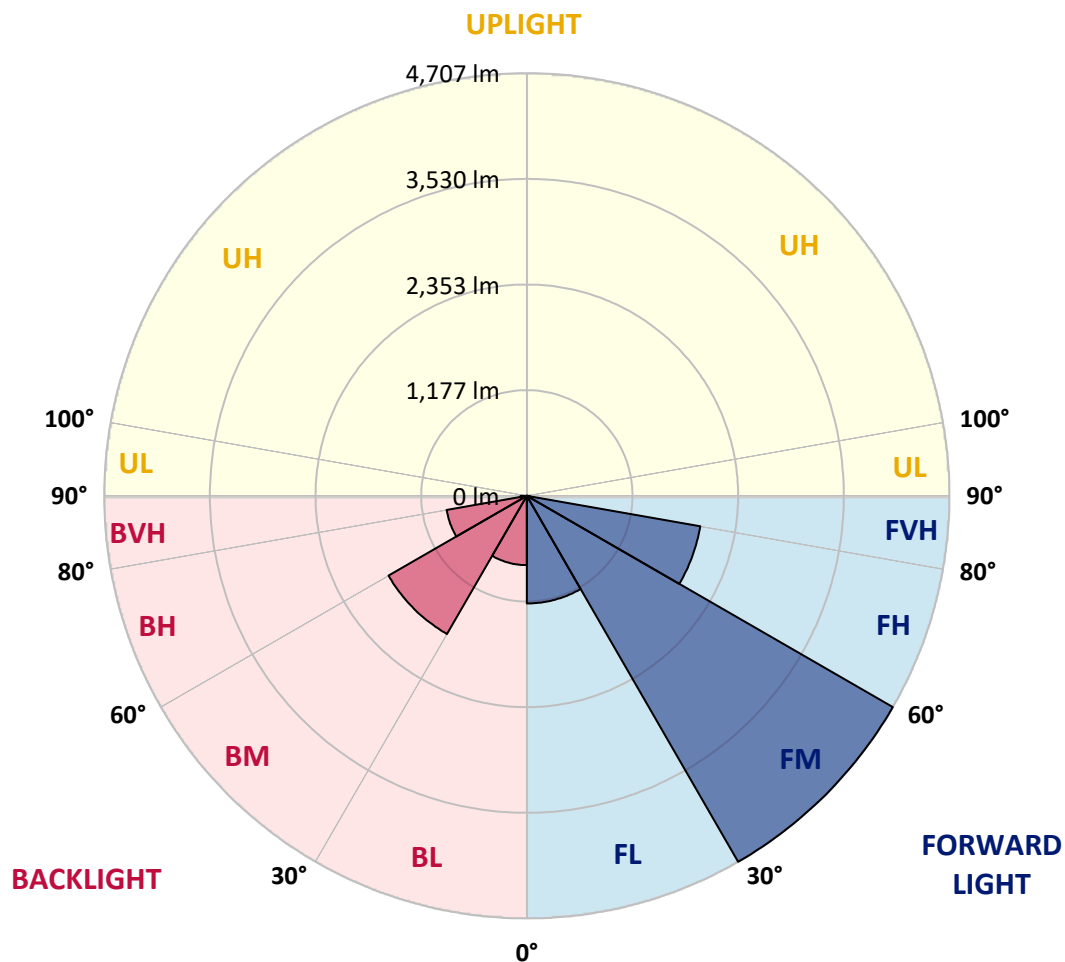
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1198.7	10.5			
FM	(30°-60°)	4706.9	41.2			
FH	(60°-80°)	1961.8	17.2			G2/5000
FVH	(80°-90°)	31.9	0.3			G1/100
BL	(0°-30°)	772.3	6.8	B2/1000		
BM	(30°-60°)	1778.2	15.6	B2/2500		
BH	(60°-80°)	907.8	7.9	B2/1000		G2/1000
BVH	(80°-90°)	70.8	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°	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9
2.5°	1683.8	1688.2	1679.4	1677.2	1668.5	1655.4	1640.0	1629.1	1611.6	1602.9	1598.5
5°	1843.4	1834.7	1828.1	1817.2	1786.6	1760.3	1716.6	1686.0	1653.2	1631.3	1624.7
7.5°	2038.0	2042.4	2020.5	1992.1	1948.4	1895.9	1825.9	1769.1	1707.8	1679.4	1666.3
10°	2250.1	2267.6	2245.8	2210.8	2127.7	2049.0	1963.7	1865.3	1782.2	1738.4	1721.0
12.5°	2508.2	2519.1	2490.7	2444.8	2344.2	2226.1	2105.8	1983.4	1874.0	1819.4	1788.7
15°	2796.8	2788.1	2759.7	2691.9	2562.8	2431.6	2267.6	2108.0	1979.0	1911.2	1867.5
17.5°	3094.2	3083.3	3046.1	2958.6	2812.1	2648.1	2453.5	2252.3	2090.5	2016.2	1957.1
20°	3378.5	3367.6	3341.3	3242.9	3065.8	2864.6	2637.2	2418.5	2217.3	2125.5	2059.9
22.5°	3693.4	3684.6	3643.1	3522.8	3332.6	3111.7	2847.1	2586.9	2355.1	2245.8	2167.0
25°	4034.5	4036.7	3990.8	3822.4	3608.1	3350.1	3072.4	2777.1	2510.4	2372.6	2282.9
27.5°	4432.5	4430.3	4351.6	4170.1	3901.1	3603.7	3295.4	2976.1	2663.4	2501.6	2398.8
30°	4793.3	4784.6	4697.1	4515.6	4205.1	3870.5	3531.6	3168.6	2836.2	2643.8	2519.1
32.5°	5060.1	5062.3	4990.1	4791.1	4487.2	4130.7	3752.4	3385.1	3002.4	2796.8	2659.1
35°	5252.5	5254.7	5184.7	5014.2	4729.9	4373.5	3986.4	3588.4	3188.3	2954.3	2805.6
37.5°	5313.8	5313.8	5267.8	5134.4	4902.6	4592.1	4216.0	3820.2	3374.1	3124.8	2954.3
40°	5230.7	5237.2	5235.0	5147.6	4987.9	4743.0	4428.1	4043.3	3581.9	3293.2	3105.2
42.5°	5042.6	5047.0	5053.5	5020.7	4970.4	4823.9	4598.7	4270.7	3789.6	3476.9	3253.9
45°	4732.1	4749.6	4782.4	4795.5	4815.2	4804.2	4703.7	4482.8	4021.4	3660.6	3400.4
47.5°	4338.5	4366.9	4410.6	4489.4	4598.7	4686.2	4729.9	4646.8	4246.6	3850.8	3564.4
50°	3791.8	3822.4	3940.5	4104.5	4321.0	4491.5	4657.7	4769.3	4498.1	4082.6	3748.1
52.5°	3035.2	3100.8	3299.8	3614.7	3986.4	4240.1	4504.7	4828.3	4753.9	4356.0	3966.7
55°	2309.2	2333.2	2589.1	2967.4	3540.3	3968.9	4294.7	4797.7	4994.5	4642.4	4216.0
57.5°	1613.8	1640.0	1863.1	2276.4	2910.5	3614.7	4084.8	4694.9	5213.2	4979.2	4502.5
60°	1145.8	1174.3	1340.5	1646.6	2261.1	3098.6	3890.2	4563.7	5403.4	5298.4	4832.7
62.5°	833.1	848.5	935.9	1194.0	1633.5	2422.9	3612.5	4478.4	5536.8	5630.8	5171.6
65°	638.5	653.8	704.1	865.9	1207.1	1771.3	3113.9	4476.2	5571.8	5875.7	5464.6
67°	531.4	529.2	572.9	695.4	942.5	1331.7	2600.0	4458.7	5532.4	5954.5	5613.3
67.5°	502.9	511.7	546.7	649.5	890.0	1226.8	2488.5	4430.3	5519.3	5952.3	5624.3
70°	400.2	402.4	433.0	513.9	669.1	890.0	1790.9	4150.4	5320.3	5738.0	5501.8
72.5°	293.0	290.8	336.8	389.2	511.7	647.3	1200.5	3485.6	4889.5	5084.1	4891.7
75°	216.5	214.3	238.4	297.4	365.2	483.3	778.5	2274.2	3310.7	3234.2	2987.1
77.5°	144.3	148.7	170.6	218.7	260.2	299.6	389.2	1047.4	1823.7	1648.8	1587.6
80°	87.5	80.9	96.2	124.6	150.9	153.1	166.2	452.7	782.8	745.7	699.8
82.5°	30.6	30.6	37.2	50.3	50.3	50.3	61.2	109.3	155.3	142.1	135.6
85°	0.0	0.0	0.0	0.0	4.4	6.6	4.4	8.7	15.3	17.5	17.5
87.5°	0.0	0.0	0.0	0.0	0.0	2.2	2.2	4.4	6.6	8.7	8.7
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°	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9	1591.9
2.5°	1598.5	1598.5	1591.9	1583.2	1578.8	1576.6	1570.1	1561.3	1567.9	1574.4	1574.4
5°	1620.4	1616.0	1602.9	1594.1	1587.6	1587.6	1578.8	1576.6	1583.2	1589.8	1587.6
7.5°	1655.4	1646.6	1631.3	1618.2	1620.4	1622.6	1609.4	1609.4	1616.0	1622.6	1622.6
10°	1703.5	1688.2	1672.8	1661.9	1664.1	1666.3	1653.2	1648.8	1655.4	1661.9	1666.3
12.5°	1764.7	1745.0	1727.5	1716.6	1714.4	1716.6	1703.5	1699.1	1699.1	1703.5	1703.5
15°	1836.9	1815.0	1793.1	1777.8	1773.4	1771.3	1753.8	1738.4	1738.4	1740.6	1740.6
17.5°	1919.9	1889.3	1860.9	1843.4	1832.5	1817.2	1797.5	1775.6	1769.1	1771.3	1771.3
20°	2003.0	1970.2	1933.1	1909.0	1887.1	1860.9	1830.3	1801.9	1788.7	1788.7	1786.6
22.5°	2099.3	2055.5	2005.2	1972.4	1933.1	1889.3	1845.6	1808.4	1795.3	1790.9	1790.9
25°	2197.7	2147.4	2075.2	2024.9	1968.1	1904.6	1847.8	1797.5	1775.6	1766.9	1766.9
27.5°	2298.3	2239.2	2145.2	2073.0	1989.9	1902.5	1825.9	1762.5	1731.9	1721.0	1716.6
30°	2412.0	2326.7	2206.4	2108.0	1994.3	1882.8	1784.4	1710.0	1664.1	1637.9	1640.0
32.5°	2530.0	2422.9	2263.3	2129.9	1987.7	1845.6	1721.0	1626.9	1567.9	1543.8	1535.1
35°	2650.3	2514.7	2313.6	2140.8	1965.9	1788.7	1640.0	1535.1	1469.5	1434.5	1434.5
37.5°	2772.8	2611.0	2348.5	2138.6	1926.5	1714.4	1546.0	1434.5	1358.0	1314.2	1303.3
40°	2893.0	2700.6	2374.8	2121.1	1867.5	1624.7	1445.4	1325.2	1222.4	1165.5	1156.8
42.5°	3011.1	2775.0	2387.9	2092.7	1797.5	1526.3	1331.7	1169.9	1071.5	1019.0	1016.8
45°	3118.3	2834.0	2390.1	2055.5	1705.6	1414.8	1178.6	1023.4	925.0	870.3	870.3
47.5°	3223.2	2899.6	2387.9	2007.4	1605.1	1270.5	1016.8	865.9	776.3	741.3	730.4
50°	3350.1	2965.2	2385.7	1948.4	1476.0	1097.7	859.4	730.4	653.8	618.8	618.8
52.5°	3479.1	3041.7	2390.1	1865.3	1323.0	929.4	719.4	605.7	555.4	533.6	531.4
55°	3645.3	3122.6	2401.0	1766.9	1163.3	765.4	599.2	522.6	487.6	476.7	478.9
57.5°	3846.5	3234.2	2422.9	1651.0	977.5	627.6	513.9	472.3	463.6	468.0	470.1
60°	4076.1	3371.9	2453.5	1519.8	813.5	522.6	463.6	454.8	463.6	481.1	483.3
62.5°	4342.8	3538.1	2492.9	1373.3	651.6	459.2	441.7	448.3	454.8	483.3	485.5
65°	4579.0	3717.4	2501.6	1200.5	529.2	417.7	428.6	433.0	450.5	483.3	485.5
67°	4712.4	3839.9	2442.6	1036.5	452.7	395.8	411.1	415.5	446.1	478.9	483.3
67.5°	4727.7	3866.1	2403.2	995.0	437.3	391.4	406.7	415.5	446.1	478.9	481.1
70°	4681.8	3848.6	2140.8	750.0	360.8	360.8	378.3	398.0	428.6	463.6	478.9
72.5°	4272.9	3509.7	1657.5	509.5	306.1	325.8	352.1	380.5	408.9	450.5	476.7
75°	2700.6	2258.9	1014.6	341.1	255.8	290.8	332.4	365.2	389.2	419.9	437.3
77.5°	1443.2	1117.4	437.3	201.2	201.2	258.0	308.3	338.9	352.1	363.0	373.9
80°	682.3	520.4	212.1	120.3	140.0	201.2	273.3	306.1	310.5	323.6	328.0
82.5°	135.6	118.1	70.0	63.4	91.8	144.3	227.4	264.6	266.8	288.6	293.0
85°	17.5	15.3	10.9	24.1	59.0	107.1	174.9	227.4	231.8	231.8	227.4
87.5°	8.7	6.6	6.6	17.5	43.7	80.9	144.3	190.2	192.4	150.9	146.5
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)