

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: P1211947

Luminaire Tested: **GKO-PB2E-735-U-T2U**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211947
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2E-735-U-T2U
Description: GEKKO WALL PACK 12000LM PACKAGE 70CRI 3500K FIXTURE w/ TYPE II
URBAN DISTRIBUTION OPTIC
Light Source: (20) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

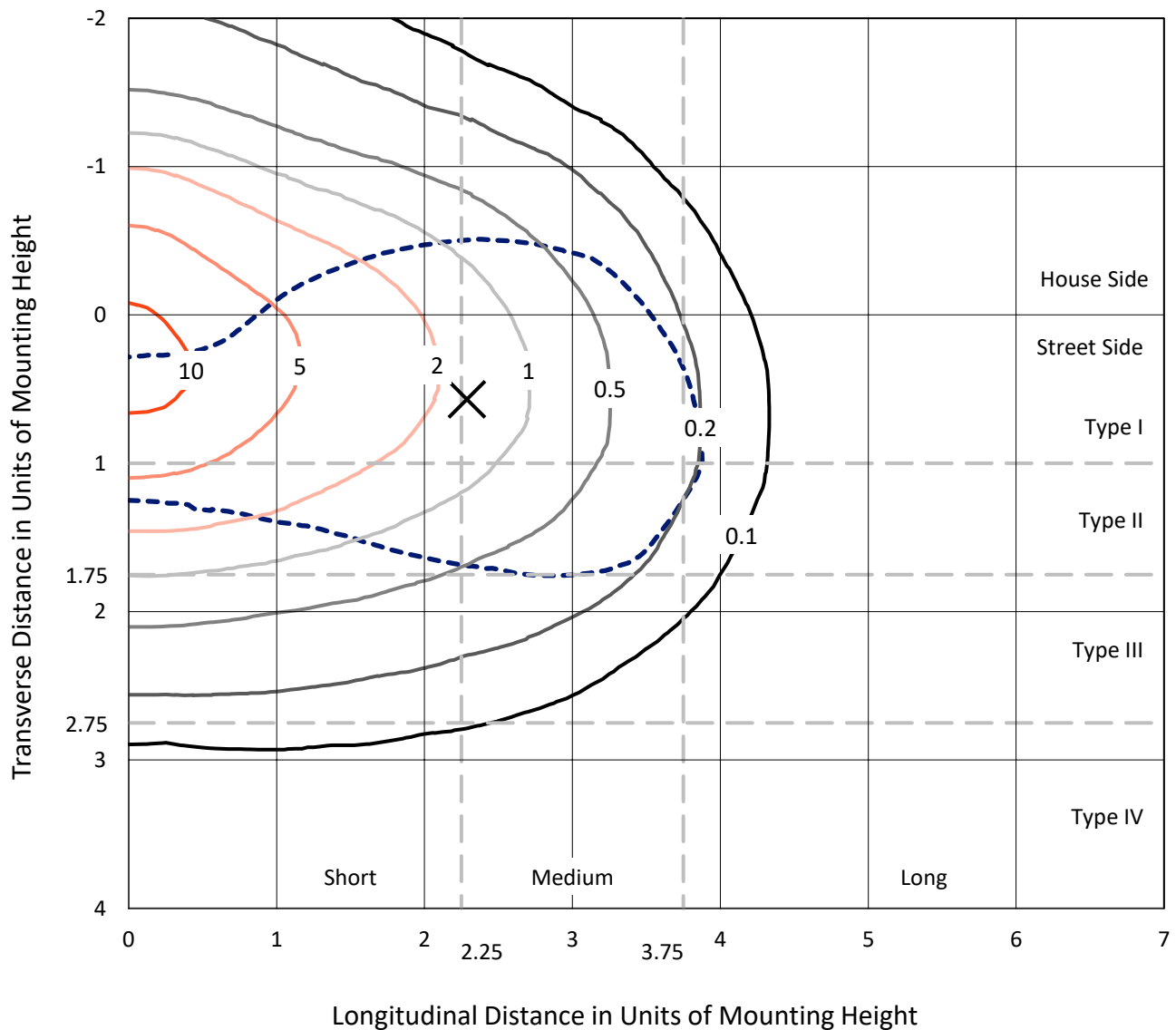
Lumens per Lamp: N/A
Luminaire Lumens: 12285 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

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

REPORT NUMBER: P1211947
 CATALOG NUMBER: GKO-PB2E-735-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

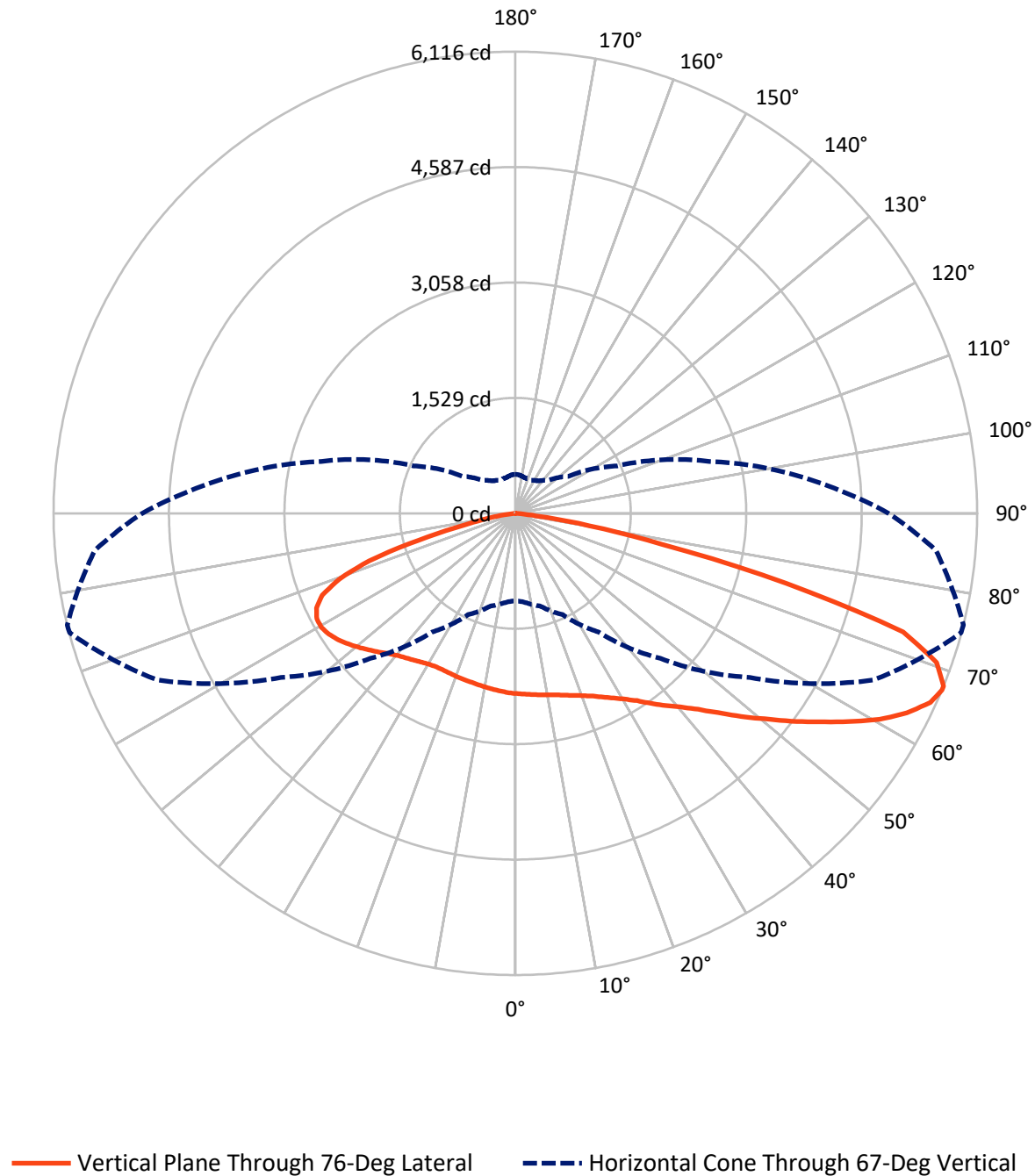
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 12 fc
 Type II - Medium - N/A

REPORT NUMBER: P1211947
CATALOG NUMBER: GKO-PB2E-735-U-T2U

Luminous Intensity Polar Plot



REPORT NUMBER: P1211947

CATALOG NUMBER: GKO-PB2E-735-U-T2U

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4053.0	0.0	4053.0
	% Fixture	33.0	0.0	33.0
Street Side	Lumens	8232.0	0.0	8232.0
	% Fixture	67.0	0.0	67.0
Total	Lumens	12285.0	0.0	12285.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.6	1.9
10°-20°	702.3	5.7
20°-30°	1208.2	9.8
30°-40°	1736.1	14.1
40°-50°	2201.7	17.9
50°-60°	2417.7	19.7
60°-70°	2344.8	19.1
70°-80°	1294.6	10.5
80°-90°	150.1	1.2
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°	12285.0	100.0
0°-180°	12285.0	100.0



REPORT NUMBER: P1211947

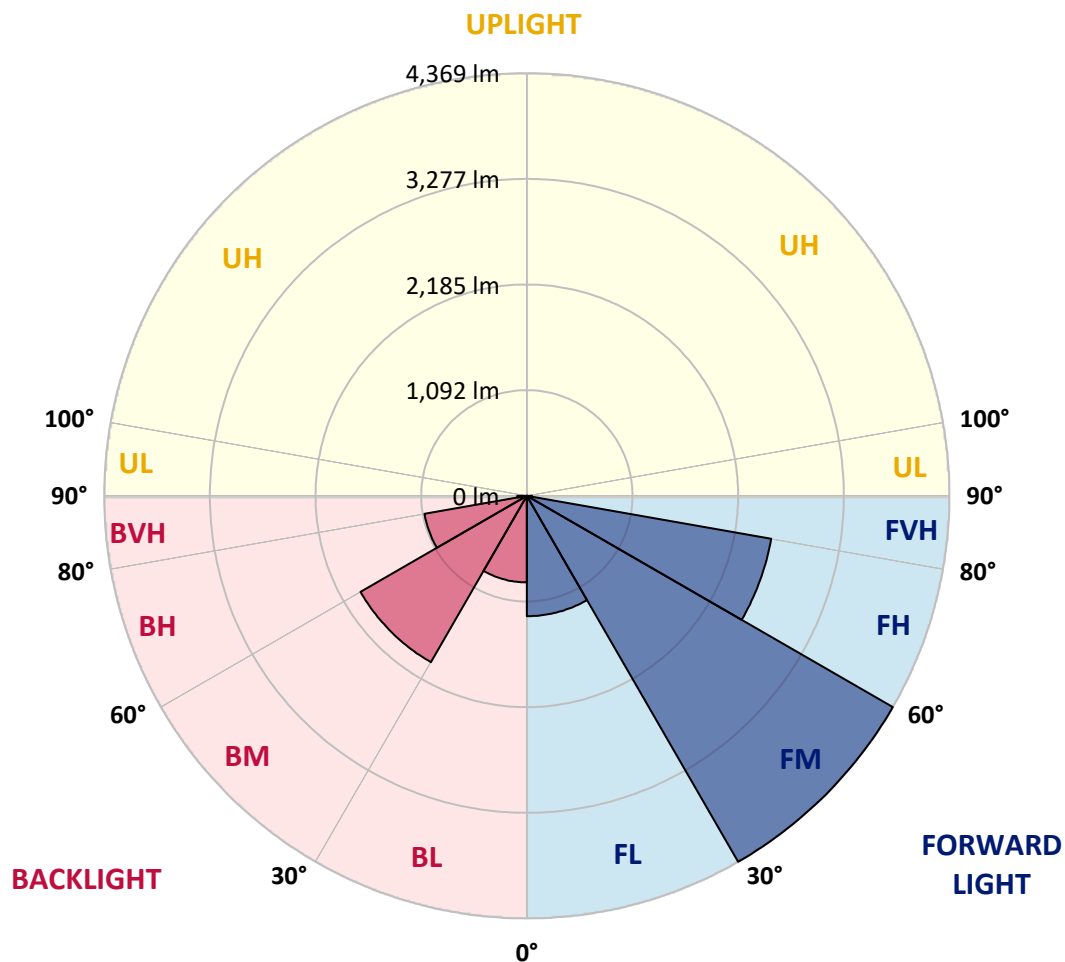
CATALOG NUMBER: GKO-PB2E-735-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1244.5	10.1			
FM	(30°-60°)	4369.5	35.6			
FH	(60°-80°)	2565.0	20.9			G2/5000
FVH	(80°-90°)	53.0	0.4			G1/100
BL	(0°-30°)	895.5	7.3	B2/1000		
BM	(30°-60°)	1986.1	16.2	B2/2500		
BH	(60°-80°)	1074.3	8.7	B3/2500		G3/2500
BVH	(80°-90°)	97.1	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



REPORT NUMBER: P1211947

CATALOG NUMBER: GKO-PB2E-735-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2388.1	2388.1	2388.1	2388.1	2388.1	2388.1	2388.1	2388.1	2388.1	2388.1	2388.1
2.5°	2459.4	2457.0	2454.6	2454.6	2445.1	2435.6	2426.1	2419.0	2400.0	2397.6	2388.1
5°	2533.0	2533.0	2525.9	2523.5	2509.3	2485.5	2464.1	2442.7	2416.6	2411.8	2390.5
7.5°	2628.1	2628.1	2616.2	2606.7	2585.3	2547.3	2509.3	2471.2	2433.2	2428.5	2395.2
10°	2749.3	2749.3	2739.8	2718.4	2673.2	2623.3	2561.5	2502.1	2452.2	2447.5	2400.0
12.5°	2875.2	2877.6	2863.3	2832.4	2777.8	2701.7	2625.7	2540.2	2476.0	2468.9	2409.5
15°	3003.5	3005.9	2996.4	2963.1	2889.5	2796.8	2694.6	2592.4	2506.9	2499.8	2423.7
17.5°	3129.4	3134.2	3124.7	3086.7	3001.1	2901.3	2775.4	2647.1	2544.9	2535.4	2447.5
20°	3248.3	3248.3	3248.3	3205.5	3122.3	3008.3	2863.3	2713.6	2587.7	2578.2	2476.0
22.5°	3355.2	3359.9	3367.1	3343.3	3248.3	3122.3	2965.5	2787.3	2642.3	2630.4	2511.6
25°	3462.1	3464.5	3483.5	3466.9	3374.2	3243.5	3074.8	2879.9	2708.9	2697.0	2554.4
27.5°	3585.7	3592.8	3604.7	3597.6	3493.0	3364.7	3196.0	2982.1	2782.5	2770.6	2606.7
30°	3730.6	3730.6	3737.8	3725.9	3621.3	3493.0	3317.2	3089.1	2875.2	2856.2	2670.8
32.5°	3849.4	3861.3	3856.6	3851.8	3742.5	3614.2	3440.7	3207.9	2982.1	2958.4	2758.8
35°	3961.1	3963.5	3961.1	3965.9	3856.6	3735.4	3571.4	3345.7	3100.9	3091.4	2870.4
37.5°	4025.3	4030.0	4041.9	4056.2	3958.7	3844.7	3702.1	3497.8	3248.3	3231.6	3003.5
40°	4056.2	4063.3	4127.4	4148.8	4044.3	3949.2	3839.9	3635.6	3390.8	3371.8	3136.6
42.5°	4103.7	4160.7	4194.0	4198.7	4108.4	4025.3	3958.7	3792.4	3566.7	3550.0	3314.8
45°	3946.9	3925.5	4013.4	4115.6	4110.8	4075.2	4072.8	3968.2	3782.9	3766.3	3516.8
47.5°	3749.6	3733.0	3780.5	3930.2	4037.2	4096.6	4184.5	4175.0	4044.3	4020.5	3752.0
50°	3279.1	3307.7	3540.5	3744.9	3930.2	4103.7	4279.5	4391.2	4298.5	4279.5	4001.5
52.5°	2839.6	2858.6	3017.8	3504.9	3792.4	4082.3	4362.7	4619.3	4595.6	4574.2	4274.8
55°	2530.6	2549.7	2803.9	3115.2	3588.1	3973.0	4417.3	4835.6	4897.3	4876.0	4564.7
57.5°	2207.5	2238.4	2411.8	2685.1	3314.8	3792.4	4436.4	5054.2	5225.3	5206.2	4842.7
60°	1896.2	1939.0	2041.2	2338.2	2977.4	3578.5	4386.5	5230.0	5541.3	5541.3	5130.2
62.5°	1608.7	1632.4	1739.4	2007.9	2549.7	3305.3	4260.5	5341.7	5831.2	5819.3	5382.1
65°	1371.1	1382.9	1468.5	1699.0	2190.9	3003.5	4041.9	5334.6	6037.9	6040.3	5548.4
67°	1157.2	1176.2	1271.3	1480.4	1917.6	2718.4	3790.0	5227.6	6111.6	6116.3	5588.8
67.5°	1083.5	1104.9	1209.5	1425.7	1860.6	2640.0	3730.6	5182.5	6106.8	6116.3	5576.9
70°	746.1	750.9	926.7	1173.8	1530.3	2224.1	3319.5	4868.8	5926.2	5919.1	5317.9
72.5°	475.2	468.1	636.8	857.8	1230.9	1801.2	2801.5	4319.9	5377.3	5370.2	4688.2
75°	316.0	323.2	430.1	613.1	864.9	1392.4	2183.7	3260.1	3735.4	3706.9	3093.8
77.5°	225.7	221.0	266.1	442.0	579.8	845.9	1185.7	1734.6	1984.1	1984.1	1699.0
80°	123.6	125.9	144.9	244.7	327.9	330.3	444.3	869.7	969.5	990.9	824.5
82.5°	35.6	38.0	52.3	83.2	90.3	99.8	154.5	249.5	261.4	275.6	223.4
85°	0.0	0.0	0.0	2.4	9.5	11.9	11.9	14.3	23.8	23.8	26.1
87.5°	0.0	0.0	0.0	0.0	0.0	2.4	2.4	4.8	9.5	9.5	11.9
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: P1211947

CATALOG NUMBER: GKO-PB2E-735-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2388.1	2388.1	2388.1	2388.1	2388.1	2388.1	2388.1	2388.1	2388.1	2388.1	2388.1
2.5°	2385.7	2388.1	2378.6	2366.7	2357.2	2352.4	2338.2	2326.3	2333.4	2340.6	2340.6
5°	2383.3	2380.9	2361.9	2340.6	2326.3	2316.8	2293.0	2276.4	2278.8	2285.9	2283.5
7.5°	2383.3	2373.8	2347.7	2316.8	2293.0	2274.0	2243.1	2224.1	2221.7	2226.5	2221.7
10°	2385.7	2369.1	2333.4	2290.7	2257.4	2228.9	2190.9	2169.5	2162.3	2164.7	2160.0
12.5°	2390.5	2364.3	2319.2	2264.5	2221.7	2183.7	2141.0	2114.8	2110.1	2114.8	2114.8
15°	2397.6	2364.3	2307.3	2240.8	2183.7	2141.0	2098.2	2074.4	2074.4	2076.8	2076.8
17.5°	2411.8	2371.4	2297.8	2214.6	2145.7	2098.2	2060.2	2043.5	2045.9	2053.0	2053.0
20°	2426.1	2380.9	2288.3	2188.5	2112.4	2057.8	2026.9	2015.0	2024.5	2034.0	2034.0
22.5°	2447.5	2392.8	2278.8	2164.7	2074.4	2019.8	1993.6	1984.1	1993.6	2005.5	2000.8
25°	2480.7	2414.2	2271.6	2143.3	2038.8	1979.4	1953.2	1943.7	1948.5	1958.0	1958.0
27.5°	2518.8	2440.4	2269.3	2117.2	1996.0	1931.8	1901.0	1886.7	1886.7	1889.1	1891.5
30°	2582.9	2485.5	2278.8	2098.2	1958.0	1881.9	1841.6	1820.2	1817.8	1827.3	1827.3
32.5°	2659.0	2547.3	2302.5	2081.5	1920.0	1822.5	1767.9	1751.3	1746.5	1753.6	1746.5
35°	2744.5	2616.2	2333.4	2079.2	1881.9	1758.4	1696.6	1677.6	1663.3	1658.6	1653.8
37.5°	2865.7	2711.2	2364.3	2067.3	1843.9	1689.5	1622.9	1582.5	1565.9	1561.2	1561.2
40°	2984.5	2803.9	2402.3	2048.3	1798.8	1620.6	1525.5	1480.4	1473.2	1473.2	1473.2
42.5°	3134.2	2925.1	2454.6	2036.4	1744.1	1551.7	1421.0	1368.7	1368.7	1368.7	1366.3
45°	3319.5	3084.3	2521.1	2031.6	1691.9	1468.5	1309.3	1240.4	1238.0	1235.6	1233.2
47.5°	3535.8	3250.6	2585.3	2019.8	1630.1	1368.7	1181.0	1104.9	1088.3	1083.5	1076.4
50°	3759.1	3431.2	2654.2	2003.1	1556.4	1252.3	1059.8	971.9	936.2	924.3	929.1
52.5°	3996.8	3607.1	2720.7	1979.4	1468.5	1135.8	936.2	843.5	807.9	793.6	791.3
55°	4229.6	3785.3	2782.5	1948.5	1373.4	1017.0	831.7	741.4	710.5	705.7	705.7
57.5°	4464.9	3956.4	2830.0	1903.3	1268.9	912.5	741.4	667.7	646.3	655.8	655.8
60°	4678.7	4106.1	2853.8	1841.6	1164.3	817.4	670.1	615.4	605.9	629.7	627.3
62.5°	4871.2	4205.9	2841.9	1751.3	1062.2	736.6	615.4	575.0	577.4	605.9	608.3
65°	4963.9	4222.5	2773.0	1627.7	948.1	667.7	558.4	520.4	525.1	556.0	563.2
67°	4942.5	4158.3	2659.0	1487.5	855.4	615.4	522.8	484.7	487.1	513.3	515.6
67.5°	4918.7	4127.4	2628.1	1444.7	831.7	605.9	513.3	477.6	482.4	506.1	506.1
70°	4602.7	3813.8	2342.9	1226.1	720.0	539.4	468.1	444.3	449.1	463.4	463.4
72.5°	4022.9	3302.9	1896.2	983.7	610.7	477.6	423.0	408.7	408.7	408.7	396.8
75°	2566.3	2069.7	1240.4	753.3	503.8	408.7	380.2	363.6	354.1	368.3	363.6
77.5°	1418.6	1081.2	646.3	432.5	363.6	339.8	330.3	323.2	320.8	354.1	344.5
80°	672.5	534.6	363.6	247.1	209.1	251.9	285.1	280.4	335.0	458.6	461.0
82.5°	213.9	175.8	147.3	135.4	140.2	180.6	221.0	254.3	434.8	491.9	484.7
85°	26.1	23.8	16.6	54.7	92.7	133.1	171.1	330.3	399.2	332.7	313.7
87.5°	9.5	9.5	9.5	38.0	71.3	102.2	154.5	332.7	244.7	223.4	204.4
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)