

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: LUMARK

Report Number: P622830

Luminaire Tested: **PRV-M-PA6D-730-U-T2U**

Issue Date: 9/29/2022

Test Information

Test Method: LM-79-08
Report Number: P622830
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2207-719-8)
Test Lab: INNOVATION CENTER
Issue Date: 9/29/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-M-PA6D-730-U-T2U
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K LIGHT ENGINES AND TYPE II U OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 61481 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B5 - U0 - G5

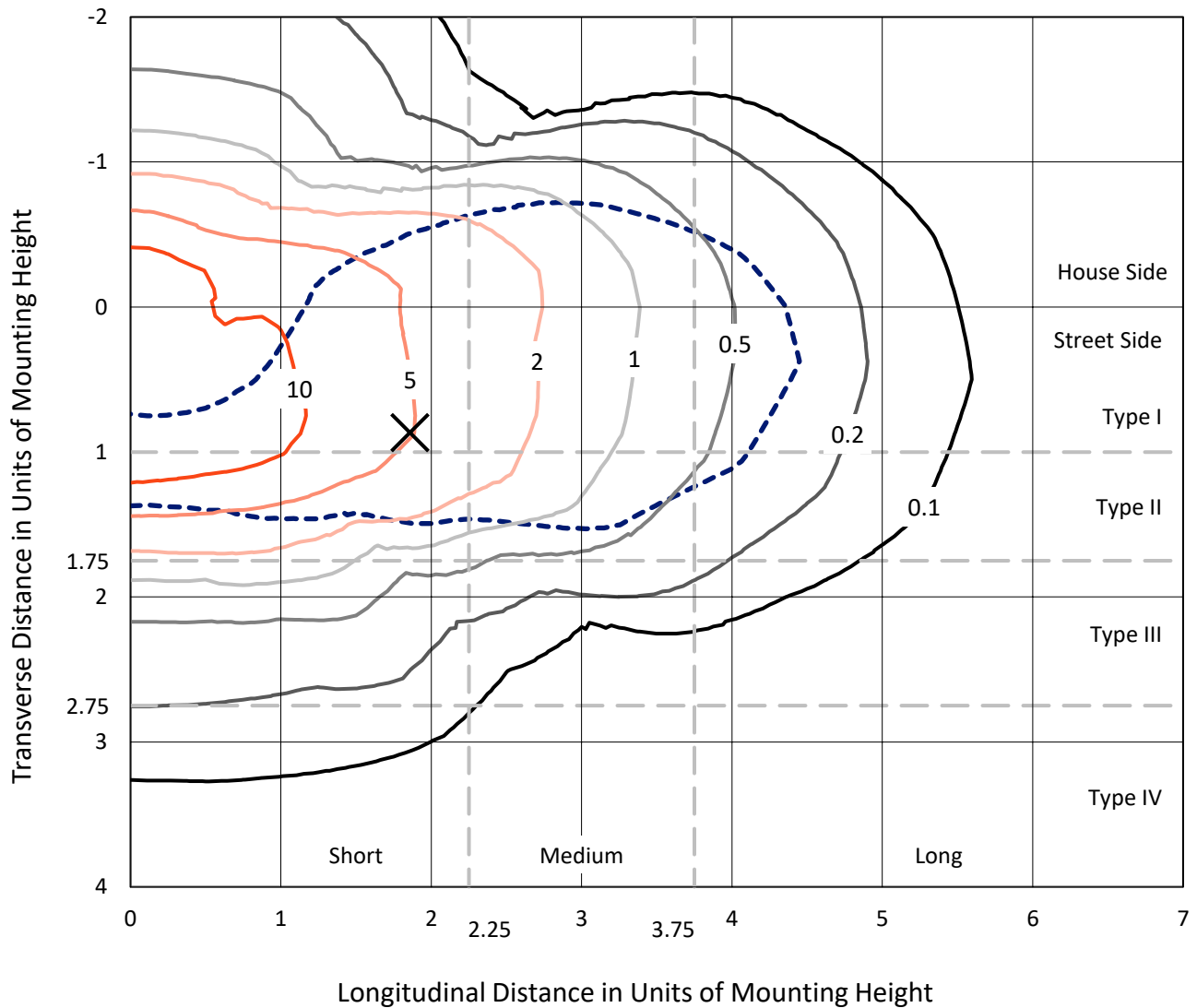
Input Watts (W): 544
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

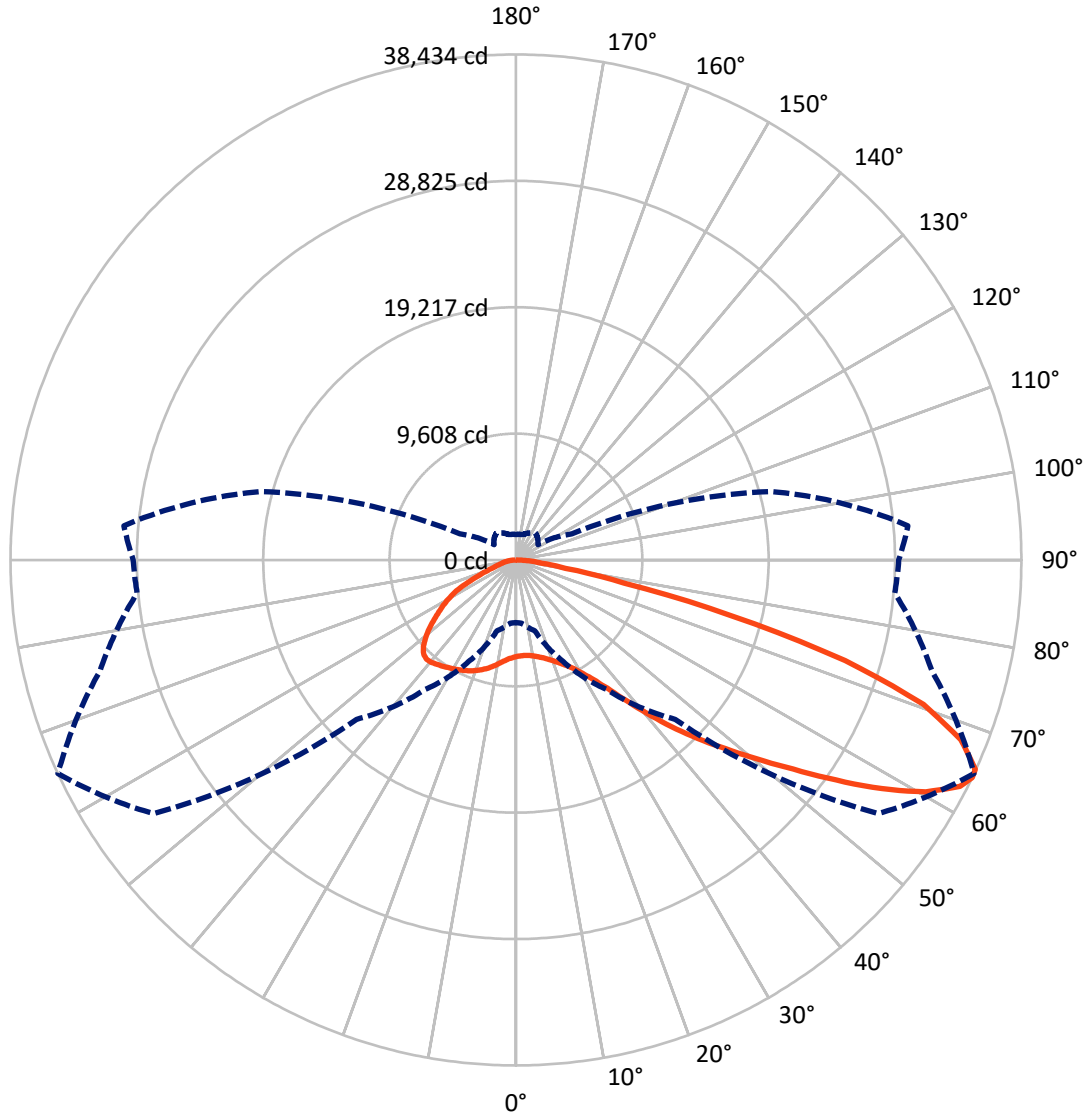
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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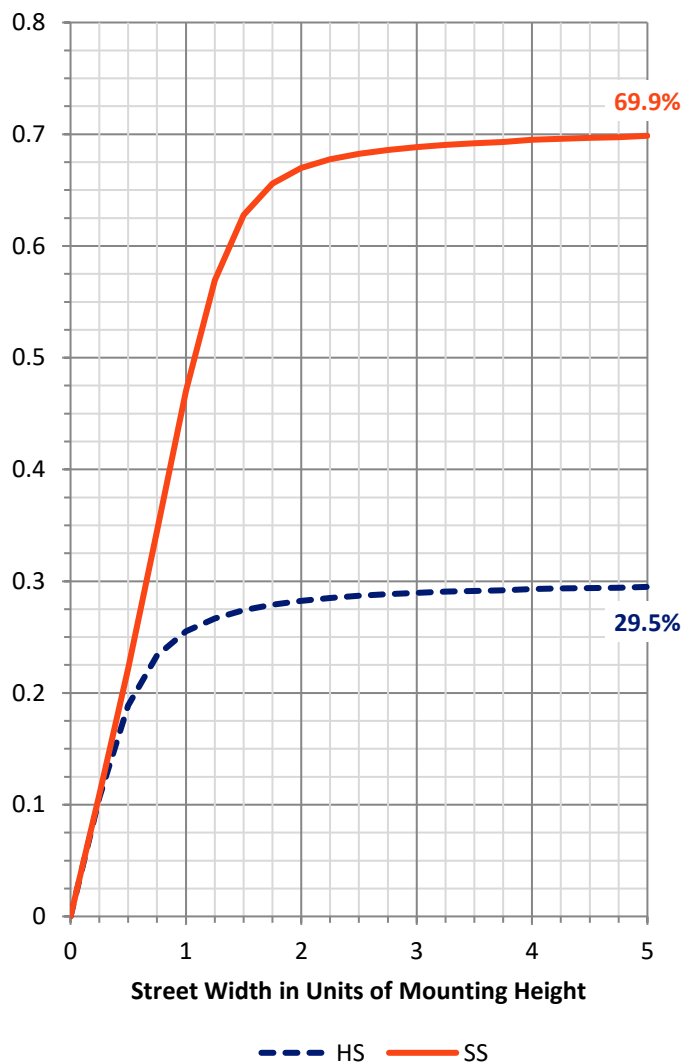
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18333.3	0.0	18333.3
	% Fixture	29.8	0.0	29.8
Street Side	Lumens	43147.7	0.0	43147.7
	% Fixture	70.2	0.0	70.2
Total	Lumens	61481.0	0.0	61481.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	723.9	1.2
10°-20°	2303.1	3.7
20°-30°	4138.5	6.7
30°-40°	6745.6	11.0
40°-50°	11245.6	18.3
50°-60°	14631.2	23.8
60°-70°	13198.3	21.5
70°-80°	7376.5	12.0
80°-90°	1118.3	1.8
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°	61481.0	100.0
0°-180°	61481.0	100.0

Coefficient of Utilization



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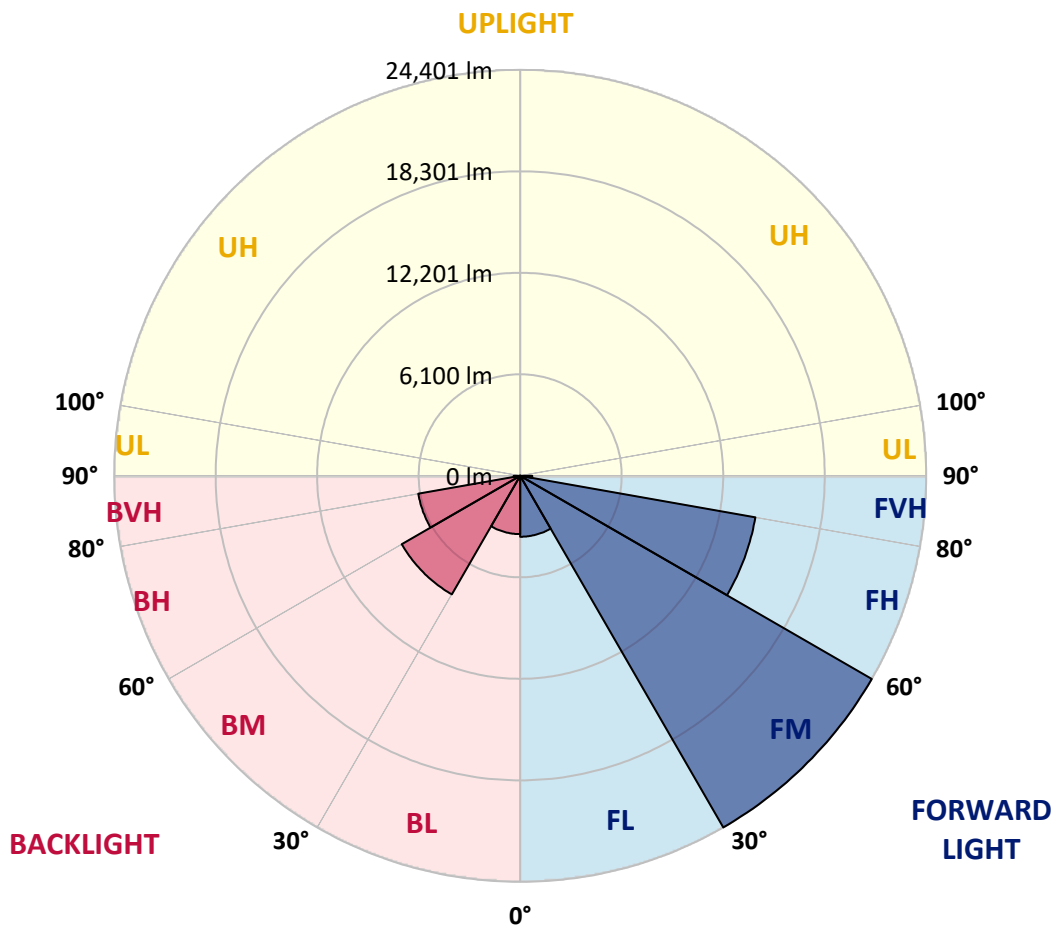
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3662.7	6.0			
FM (30°-60°)	24401.5	39.7			
FH (60°-80°)	14356.5	23.4			G5
FVH (80°-90°)	727.1	1.2			G4/750
BL (0°-30°)	3502.8	5.7	B4/5000		
BM (30°-60°)	8220.9	13.4	B4/8500		
BH (60°-80°)	6218.4	10.1	B5		G5
BVH (80°-90°)	391.2	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7336.6	7336.6	7336.6	7336.6	7336.6	7336.6	7336.6	7336.6	7336.6	7336.6	7336.6
2.5°	7330.7	7272.7	7275.7	7275.7	7277.2	7280.2	7290.6	7298.0	7305.4	7318.8	7347.0
5°	7290.6	7237.1	7244.5	7248.9	7257.9	7268.3	7280.2	7286.1	7298.0	7326.2	7364.9
7.5°	7260.8	7207.3	7217.7	7225.2	7240.0	7265.3	7302.4	7332.2	7350.0	7388.6	7440.6
10°	7309.9	7248.9	7259.3	7256.4	7263.8	7303.9	7361.9	7424.3	7449.6	7500.1	7565.5
12.5°	7442.1	7381.2	7384.2	7361.9	7369.3	7413.9	7479.3	7556.6	7586.3	7639.8	7706.6
15°	7648.7	7565.5	7567.0	7549.1	7543.2	7586.3	7641.3	7712.6	7742.3	7797.3	7859.7
17.5°	7999.4	7922.1	7886.5	7809.2	7782.4	7819.6	7871.6	7931.0	7957.8	7980.1	8036.6
20°	8608.7	8513.6	8434.8	8284.7	8148.0	8118.3	8143.5	8198.5	8198.5	8186.6	8234.2
22.5°	9479.5	9390.3	9272.9	9009.9	8690.4	8529.9	8476.4	8510.6	8483.9	8431.8	8442.2
25°	10540.5	10356.3	10256.7	9935.7	9432.0	9093.1	8902.9	8879.1	8849.4	8764.7	8740.9
27.5°	11852.7	11680.3	11429.2	10980.4	10320.6	9821.3	9467.6	9357.6	9289.3	9131.8	9063.4
30°	13392.3	13129.2	12821.6	12193.0	11375.7	10707.0	10189.8	9995.2	9833.2	9556.8	9432.0
32.5°	15125.0	14830.8	14462.2	13646.4	12649.2	11788.8	11152.8	10821.4	10570.3	10210.6	9977.3
35°	17437.3	17154.9	16426.8	15489.1	14166.5	13096.5	12368.4	11971.6	11664.0	11184.0	10870.4
37.5°	20355.9	19844.7	18887.7	17740.4	16070.1	14720.8	13821.7	13494.8	13127.8	12502.1	12068.2
40°	22840.6	22324.9	21593.8	20297.9	18513.2	16881.5	15722.4	15294.4	14847.1	14007.5	13523.0
42.5°	24748.7	24233.0	23693.6	22828.7	21416.9	19755.5	17859.3	17302.1	16666.0	15616.9	14976.4
45°	25897.4	25320.8	25047.3	24885.4	24399.4	24421.7	20419.8	19346.9	18482.0	17302.1	16514.5
47.5°	26231.7	25619.5	25675.9	26173.8	26924.2	27786.1	23417.2	21443.7	20323.2	18881.7	18107.5
50°	25152.9	24701.1	25320.8	26827.6	28906.6	30392.7	26732.5	23754.5	22195.6	20621.9	19687.2
52.5°	21772.1	21763.2	23134.8	26109.9	30095.5	32725.8	30132.6	26407.1	24149.8	22319.0	21341.1
55°	17214.4	17209.9	19248.8	23167.5	29630.3	33605.5	32991.8	29541.2	26175.3	23965.5	23056.0
57.5°	12078.6	12487.3	14842.7	18501.3	26248.1	32968.0	34749.8	32820.9	28163.6	25574.9	24708.5
60°	7887.9	8054.4	10470.7	14442.9	20592.2	29573.9	35488.3	35804.9	30080.6	26979.2	26389.3
62.5°	5621.7	5657.4	6788.3	10790.2	14671.8	22974.3	34858.2	37901.7	31852.0	28251.3	28116.0
64°	4761.3	4816.3	5577.1	8528.4	12020.6	17134.1	33614.4	38433.7	32762.9	28917.0	29107.2
65°	4308.1	4360.1	4973.8	7188.0	10717.4	13870.8	32097.2	38387.6	33358.8	29307.9	29718.0
67.5°	3532.3	3536.8	3866.7	4936.7	7993.5	8115.3	24582.2	36473.6	34084.0	29899.3	30889.0
70°	3159.3	3175.7	3354.0	3738.9	5968.0	5428.5	13899.0	32869.9	33299.4	29652.6	30990.1
72.5°	2585.7	2633.3	2923.1	3230.7	4282.8	3804.3	6507.4	26185.7	29937.9	28230.5	29330.1
75°	2015.1	2049.3	2328.6	2850.2	3073.1	2844.3	3606.6	16912.7	23993.7	25039.9	25017.6
77.5°	1517.3	1551.4	1790.7	2255.8	2734.3	2113.2	2431.2	8405.1	16581.3	18938.2	18016.9
80°	1147.2	1145.7	1356.8	1700.0	2232.0	1585.6	1642.1	3810.2	9478.0	11328.1	10001.1
82.5°	790.6	806.9	997.1	1303.3	1545.5	1526.2	1150.2	1972.0	4192.1	4767.2	4588.9
85°	554.3	546.9	705.9	858.9	1019.4	1104.1	769.8	1108.6	1814.5	949.6	845.6
87.5°	309.1	307.6	419.1	474.0	508.2	445.8	459.2	431.0	713.3	374.5	240.7
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7336.6	7336.6	7336.6	7336.6	7336.6	7336.6	7336.6	7336.6	7336.6	7336.6
2.5°	7339.6	7382.7	7421.3	7457.0	7468.9	7503.1	7541.7	7550.6	7561.0	7482.3
5°	7376.7	7462.9	7558.0	7636.8	7706.6	7781.0	7871.6	7889.4	7928.1	7828.5
7.5°	7480.8	7608.6	7763.1	7893.9	8011.3	8118.3	8234.2	8277.3	8302.6	8206.0
10°	7620.5	7804.7	7997.9	8195.6	8338.2	8457.1	8549.2	8550.7	8577.5	8485.3
12.5°	7778.0	8005.3	8252.0	8470.5	8614.6	8675.6	8693.4	8641.4	8642.9	8543.3
15°	7935.5	8201.5	8500.2	8708.2	8775.1	8738.0	8690.4	8622.1	8610.2	8504.7
17.5°	8127.2	8411.0	8708.2	8871.7	8815.2	8705.3	8647.3	8565.6	8556.7	8446.7
20°	8313.0	8625.0	8907.4	8954.9	8766.2	8607.2	8525.5	8403.6	8381.3	8266.9
22.5°	8503.2	8821.2	9084.2	8962.4	8650.3	8402.1	8249.1	8084.1	8047.0	7945.9
25°	8749.9	9023.3	9235.8	8902.9	8417.0	8023.2	7792.8	7620.5	7601.1	7522.4
27.5°	9075.3	9293.7	9387.4	8772.1	8041.0	7500.1	7214.8	7057.2	7079.5	6981.5
30°	9384.4	9583.5	9525.6	8541.8	7503.1	6822.4	6580.2	6462.8	6501.5	6404.9
32.5°	9821.3	9932.7	9654.9	8206.0	6880.4	6179.0	5973.9	5809.0	5773.3	5751.0
35°	10622.3	10580.7	9804.9	7812.2	6254.8	5578.6	5281.4	5005.0	4939.6	4831.1
37.5°	11720.5	11513.9	9940.2	7385.7	5663.3	4967.9	4566.6	4253.1	4146.1	4061.4
40°	12994.0	12601.7	10087.3	6873.0	5113.5	4361.6	3994.5	3664.6	3548.7	3514.5
42.5°	14385.0	13679.1	10161.6	6176.0	4614.2	3981.1	3559.1	3258.9	3128.1	3064.2
45°	15857.6	14703.0	10017.5	5407.7	4224.8	3698.8	3242.6	2872.5	2723.9	2704.6
47.5°	17308.0	15518.8	9614.7	4736.0	3944.0	3489.2	2888.9	2645.2	2557.5	2529.3
50°	18941.2	16196.4	8999.5	4147.6	3695.8	3168.3	2716.5	2538.2	2466.8	2447.5
52.5°	20653.1	16765.6	8283.2	3695.8	3389.7	2978.0	2628.8	2437.1	2383.6	2367.3
55°	22470.5	17315.4	7509.0	3284.2	3022.6	2894.8	2548.6	2352.4	2315.3	2306.3
57.5°	24497.5	17953.0	6785.3	2835.4	2798.2	2814.6	2489.1	2293.0	2264.7	2258.8
60°	26576.5	18752.4	6094.3	2469.8	2621.4	2737.3	2428.2	2215.7	2163.7	2145.9
62.5°	28732.8	19635.2	5290.3	2180.0	2444.5	2633.3	2336.1	2090.9	2041.8	2018.1
64°	29929.0	20095.8	4706.3	2034.4	2343.5	2548.6	2255.8	1995.8	1960.1	1936.3
65°	30596.3	20349.9	4235.2	1951.2	2270.7	2483.2	2191.9	1924.4	1909.6	1882.8
67.5°	31544.4	20442.1	3166.8	1774.3	2064.1	2279.6	2000.2	1762.5	1799.6	1750.6
70°	30844.4	19568.3	2282.6	1610.9	1835.3	2046.3	1824.9	1593.0	1639.1	1558.9
72.5°	28105.6	16951.4	1723.8	1434.0	1602.0	1807.0	1622.8	1404.3	1370.1	1315.2
75°	22574.6	12604.7	1365.7	1264.6	1380.5	1560.4	1417.7	1202.2	1127.9	1101.2
77.5°	15903.7	7452.5	1104.1	1083.3	1172.5	1300.3	1212.6	1022.4	925.8	919.9
80°	8666.6	3278.2	900.5	893.1	948.1	1062.5	1017.9	847.0	743.0	717.8
82.5°	3278.2	1404.3	683.6	691.0	731.1	821.8	796.5	644.9	592.9	491.9
85°	835.2	692.5	444.3	447.3	439.9	540.9	532.0	420.6	358.1	328.4
87.5°	334.4	258.6	166.4	181.3	172.4	249.7	254.1	199.1	121.9	105.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)