

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: STREETWORKS

Report Number: P452318

Luminaire Tested: **GLAN-SA3B-730-U-SL4**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P452318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3B-730-U-SL4
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15142 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 121
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

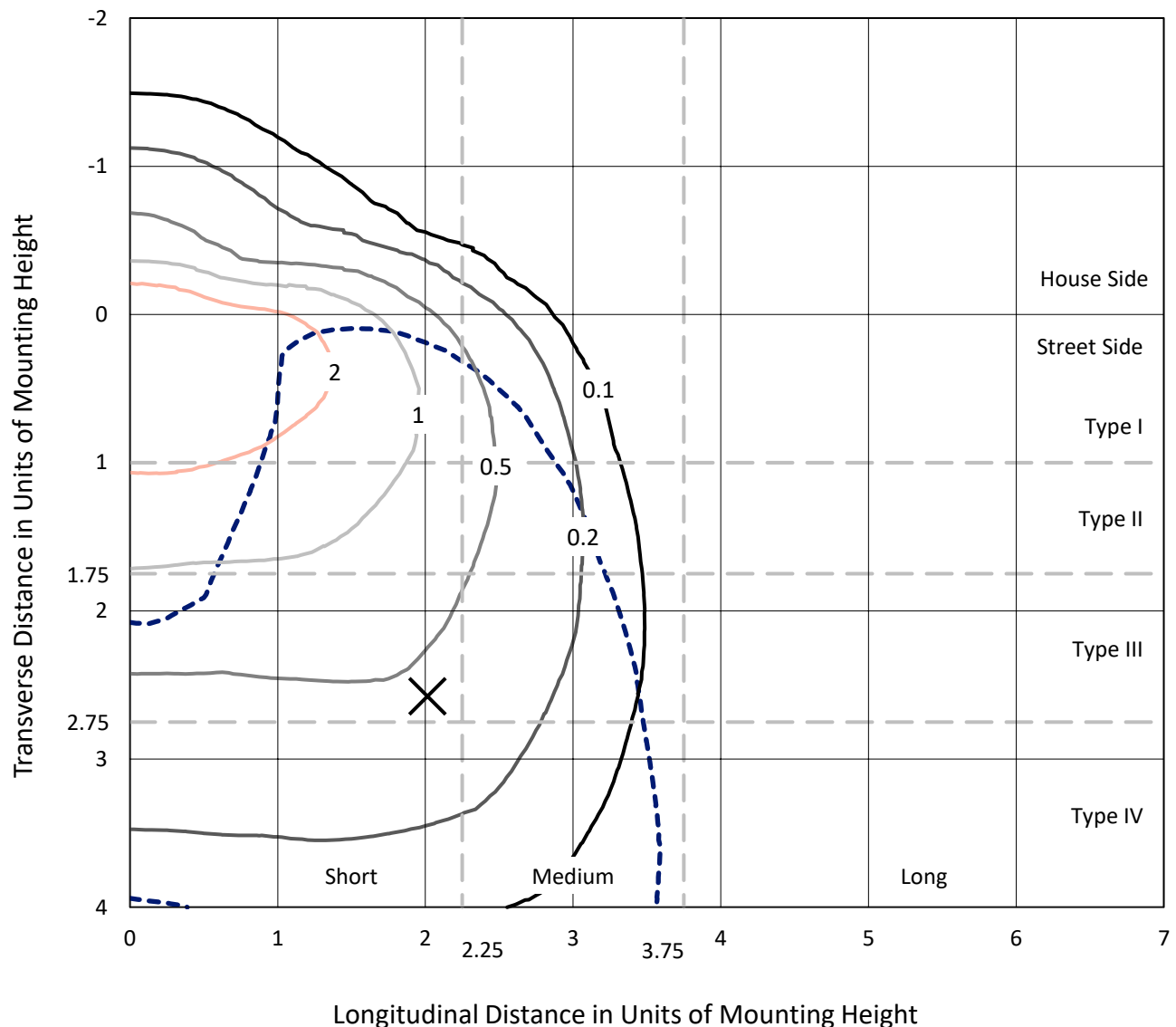


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

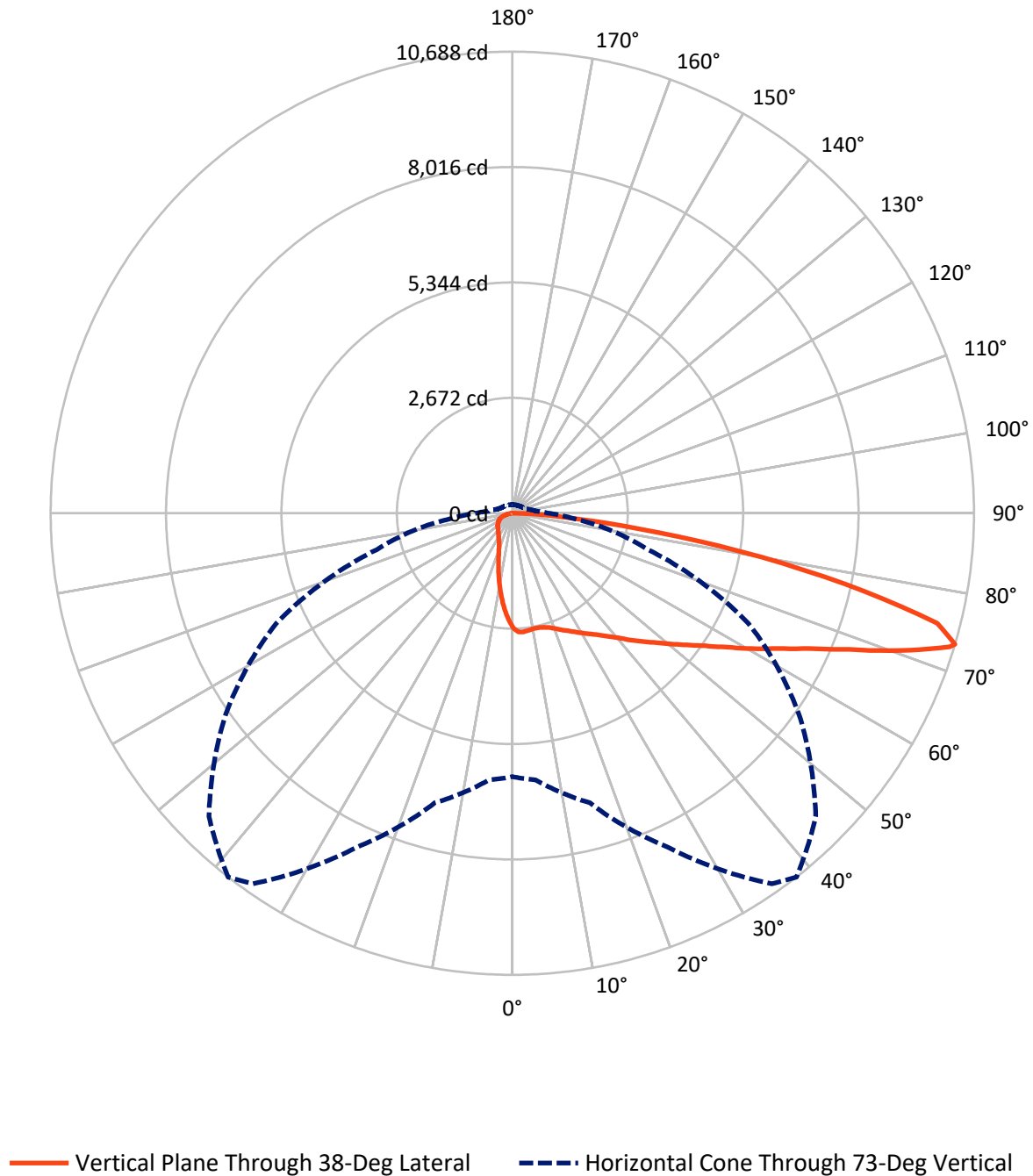


Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2035.5	0.0	2035.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	13106.5	0.0	13106.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	15142.0	0.0	15142.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.2	1.5
10°-20°	595.4	3.9
20°-30°	927.2	6.1
30°-40°	1360.0	9.0
40°-50°	2017.5	13.3
50°-60°	2858.3	18.9
60°-70°	3625.9	23.9
70°-80°	3018.3	19.9
80°-90°	507.1	3.3
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°	15142.0	100.0
0°-180°	15142.0	100.0

Coefficient of Utilization



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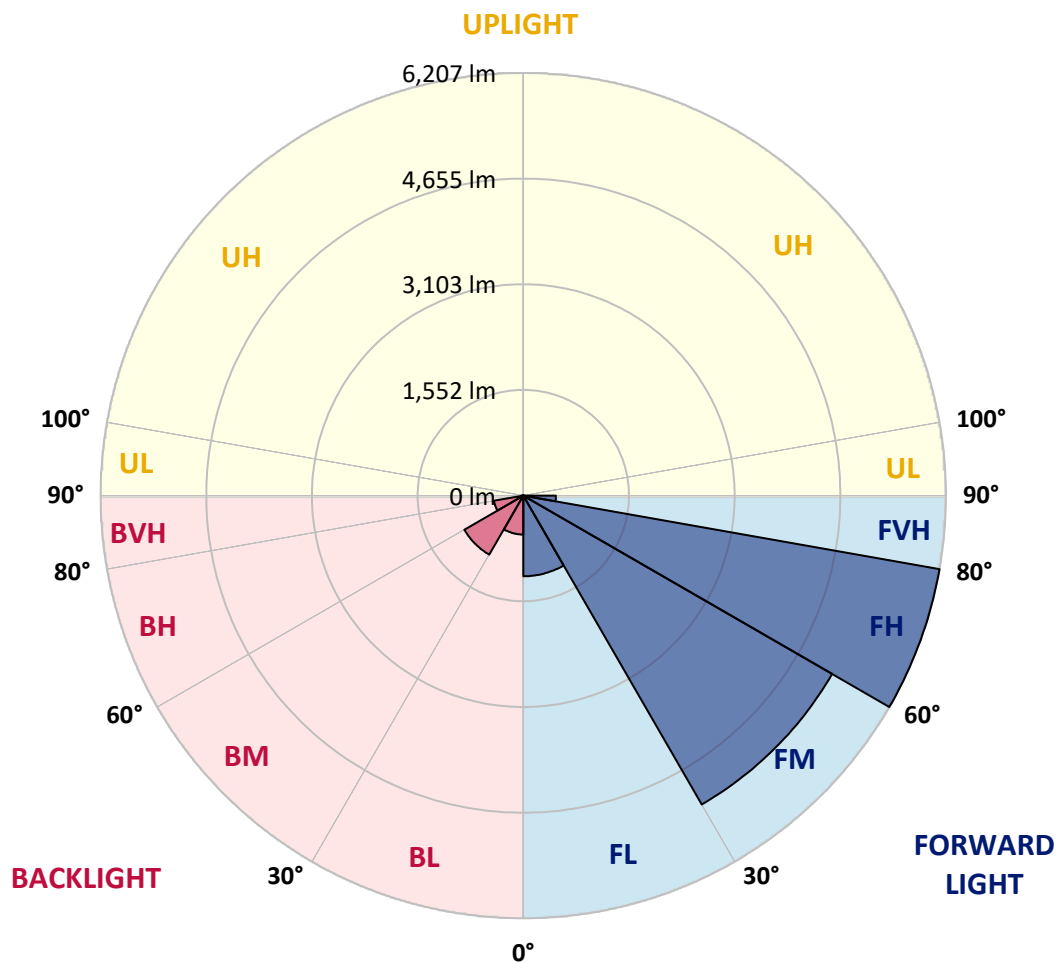
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1183.7	7.8			
FM	(30°-60°)	5236.5	34.6			
FH	(60°-80°)	6206.6	41.0			G3/7500
FVH	(80°-90°)	479.6	3.2			G3/500
BL	(0°-30°)	571.2	3.8	B2/1000		
BM	(30°-60°)	999.3	6.6	B1/1000		
BH	(60°-80°)	437.5	2.9	B1/500		G1/500
BVH	(80°-90°)	27.5	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	2660.2	2660.2	2660.2	2660.2	2660.2	2660.2	2660.2	2660.2	2660.2	2660.2	2660.2
2.5°	2767.1	2780.8	2773.9	2764.5	2758.5	2752.5	2744.0	2719.2	2699.5	2678.1	2644.8
5°	2787.6	2796.2	2790.2	2778.2	2764.5	2758.5	2742.3	2709.8	2678.1	2642.2	2592.6
7.5°	2775.6	2779.1	2772.2	2757.7	2745.7	2734.6	2715.8	2679.9	2641.4	2597.8	2532.8
10°	2732.9	2745.7	2745.7	2733.7	2721.8	2715.8	2697.0	2662.8	2627.7	2578.1	2501.1
12.5°	2697.8	2711.5	2722.6	2719.2	2718.3	2718.3	2703.8	2678.1	2637.1	2590.1	2498.6
15°	2673.9	2690.1	2714.1	2727.7	2736.3	2738.9	2732.9	2710.6	2668.7	2614.0	2508.8
17.5°	2668.7	2688.4	2732.0	2761.9	2784.2	2783.3	2781.6	2750.8	2704.7	2648.2	2521.7
20°	2691.8	2717.5	2778.2	2825.2	2857.7	2851.7	2842.3	2802.1	2748.3	2685.0	2533.6
22.5°	2761.1	2787.6	2854.3	2905.6	2937.2	2937.2	2909.0	2856.0	2798.7	2727.7	2549.9
25°	2860.3	2889.4	2960.3	3012.5	3027.0	3015.9	2987.7	2923.6	2857.7	2789.3	2584.1
27.5°	2981.7	3016.8	3082.6	3126.2	3121.9	3113.4	3084.3	3002.2	2936.4	2874.0	2642.2
30°	3133.1	3158.7	3227.1	3237.4	3222.0	3220.3	3179.2	3097.1	3035.6	2987.7	2725.2
32.5°	3275.9	3298.9	3353.7	3357.9	3330.6	3334.0	3295.5	3220.3	3185.2	3168.1	2864.6
35°	3427.2	3439.2	3486.2	3481.1	3463.1	3460.6	3445.2	3373.3	3384.5	3415.2	3062.1
37.5°	3553.8	3577.7	3604.2	3608.5	3607.6	3616.2	3626.4	3592.2	3656.4	3753.0	3321.2
40°	3670.1	3690.6	3729.9	3743.6	3776.9	3794.0	3829.1	3830.0	3977.9	4136.9	3640.1
42.5°	3748.7	3783.8	3857.3	3882.1	3963.4	4014.7	4066.8	4122.4	4337.0	4541.4	4016.4
45°	3817.1	3863.3	3985.6	4062.5	4172.9	4235.3	4345.6	4461.9	4770.6	5038.2	4398.6
47.5°	3920.6	3961.6	4101.9	4237.8	4404.6	4476.4	4641.4	4815.0	5218.6	5511.9	4764.6
50°	4064.3	4089.1	4231.9	4453.3	4666.2	4758.6	4976.6	5227.2	5697.5	5979.7	5086.1
52.5°	4248.1	4258.4	4372.1	4667.1	4947.6	5062.1	5351.2	5643.6	6116.5	6385.8	5340.9
55°	4465.3	4448.2	4537.1	4893.7	5269.1	5418.7	5729.1	6065.2	6587.6	6714.2	5526.5
57.5°	4679.9	4653.4	4724.4	5169.0	5665.8	5846.3	6208.0	6499.6	7008.3	7021.2	5656.4
60°	4907.4	4887.7	4972.4	5492.3	6152.4	6366.2	6700.5	6950.2	7415.4	7234.9	5677.0
62.5°	5140.8	5109.2	5229.7	5855.7	6700.5	6894.6	7218.7	7429.0	7814.7	7314.5	5479.4
65°	5367.4	5352.9	5539.3	6287.5	7324.7	7545.3	7860.0	8002.8	8134.5	7194.7	4989.5
67.5°	5608.6	5637.6	5935.2	6863.8	8138.8	8415.8	8755.3	8621.0	8226.0	6627.8	4201.9
70°	5976.2	5995.1	6455.1	7618.9	9188.0	9522.3	9686.5	8840.8	7784.8	5551.3	3158.7
72.5°	6134.4	6217.4	6919.4	8411.5	10380.0	10584.3	9999.5	8350.8	6485.0	3771.0	1659.7
73°	6099.4	6198.6	6940.8	8532.1	10473.2	10687.8	9932.8	8098.6	6028.4	3247.6	1422.9
75°	5662.4	5784.7	6662.9	8431.2	10291.9	10163.6	8860.5	6902.3	4073.7	1476.7	648.2
77.5°	4467.9	4502.9	5279.3	6808.2	8104.6	7866.9	6631.2	4313.9	1664.0	549.0	367.7
80°	2241.2	2370.3	2975.7	3900.1	5419.6	5341.8	4185.7	2040.3	693.5	322.4	243.7
82.5°	1078.3	1169.8	1449.4	1901.7	2994.5	2923.6	2072.7	1115.0	440.4	188.1	143.7
85°	694.3	762.7	922.6	907.3	1231.3	1175.8	931.2	844.0	260.8	98.3	100.0
87.5°	458.3	501.9	602.0	481.4	448.1	405.3	411.3	475.4	51.3	37.6	13.7
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°	2660.2	2660.2	2660.2	2660.2	2660.2	2660.2	2660.2	2660.2	2660.2	2660.2	2660.2
2.5°	2631.1	2620.0	2583.2	2547.3	2513.1	2480.6	2459.2	2431.0	2412.2	2417.3	2425.0
5°	2565.3	2540.5	2475.5	2412.2	2352.4	2281.4	2224.1	2177.9	2142.9	2130.0	2127.5
7.5°	2496.0	2454.1	2360.9	2252.3	2150.6	2062.5	1960.7	1910.3	1851.3	1830.8	1823.9
10°	2454.1	2397.7	2266.9	2115.5	1962.4	1816.2	1705.9	1616.1	1534.9	1519.5	1511.8
12.5°	2442.1	2367.8	2191.6	1996.6	1793.1	1613.6	1450.2	1332.2	1253.6	1235.6	1209.1
15°	2435.3	2343.0	2121.5	1876.9	1618.7	1399.8	1227.9	1090.2	1018.4	970.5	971.4
17.5°	2429.3	2314.7	2042.8	1746.1	1468.2	1215.9	1026.1	902.1	836.3	810.6	808.1
20°	2420.8	2281.4	1952.2	1608.4	1296.3	1048.3	876.5	784.1	739.7	718.3	717.4
22.5°	2417.3	2248.9	1863.2	1468.2	1144.1	919.2	777.3	712.3	684.1	669.5	669.5
25°	2425.9	2225.8	1770.0	1334.8	1009.0	808.9	708.9	664.4	648.2	640.5	637.9
27.5°	2452.4	2215.5	1677.7	1201.4	885.0	733.7	662.7	631.9	619.9	614.0	614.8
30°	2502.9	2214.7	1587.1	1069.7	792.7	676.4	625.9	604.6	595.1	591.7	590.9
32.5°	2584.1	2233.5	1498.1	961.1	714.9	628.5	591.7	576.3	572.1	569.5	568.6
35°	2721.8	2286.5	1410.0	861.9	655.0	585.7	559.2	551.5	545.5	548.1	549.0
37.5°	2907.3	2378.0	1326.2	784.1	609.7	554.1	531.9	525.0	521.6	524.2	526.7
40°	3156.1	2509.7	1256.1	721.7	577.2	527.6	507.9	501.9	498.5	502.8	503.6
42.5°	3430.6	2661.9	1198.0	673.0	550.7	505.4	486.5	479.7	477.1	479.7	480.6
45°	3712.8	2838.9	1168.1	637.9	528.4	489.1	469.4	461.7	455.8	454.1	456.6
47.5°	3990.7	2992.8	1167.2	616.5	510.5	474.6	453.2	444.6	437.0	432.7	431.8
50°	4217.3	3115.1	1187.7	607.1	495.1	458.3	437.0	428.4	418.1	409.6	411.3
52.5°	4388.3	3194.6	1197.1	602.8	486.5	441.2	419.9	412.2	400.2	389.1	389.1
55°	4498.6	3213.4	1174.0	598.6	479.7	423.3	400.2	393.3	381.4	370.3	370.3
57.5°	4536.3	3155.3	1091.1	588.3	472.9	407.9	380.5	374.5	365.1	354.0	352.3
60°	4449.0	2958.6	945.7	557.5	459.2	391.6	359.1	356.6	353.2	343.7	342.9
62.5°	4113.0	2541.3	787.5	517.3	436.1	374.5	339.5	343.7	346.3	341.2	340.3
65°	3553.8	2063.3	673.0	461.7	405.3	350.6	318.1	329.2	336.1	336.1	334.3
67.5°	2882.5	1584.5	566.9	413.9	366.8	318.1	294.2	302.7	307.8	306.1	310.4
70°	2048.8	1073.1	461.7	359.1	318.1	281.3	263.4	263.4	259.9	258.2	258.2
72.5°	993.6	613.1	374.5	300.1	271.1	240.3	225.7	219.8	212.9	212.1	207.8
73°	830.3	549.8	357.4	289.0	259.9	234.3	218.0	208.6	204.4	200.9	200.1
75°	505.4	417.3	298.4	243.7	221.5	201.8	187.3	178.7	174.4	171.9	171.0
77.5°	332.6	311.3	231.7	186.4	169.3	157.3	151.4	142.8	140.2	136.8	136.8
80°	248.0	237.7	165.9	131.7	121.4	111.2	109.5	107.7	100.9	96.6	94.9
82.5°	159.9	169.3	112.9	88.1	77.0	68.4	69.3	71.8	65.0	59.0	57.3
85°	113.7	122.3	68.4	40.2	32.5	28.2	31.6	28.2	29.1	23.1	18.8
87.5°	18.8	32.5	12.0	5.1	2.6	1.7	0.0	0.0	0.0	0.0	0.0
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)