

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: P527239

Luminaire Tested: **GLAN-SA2B-730-U-AFL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527239
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-27)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2B-730-U-AFL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7774 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

Input Watts (W): 82
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

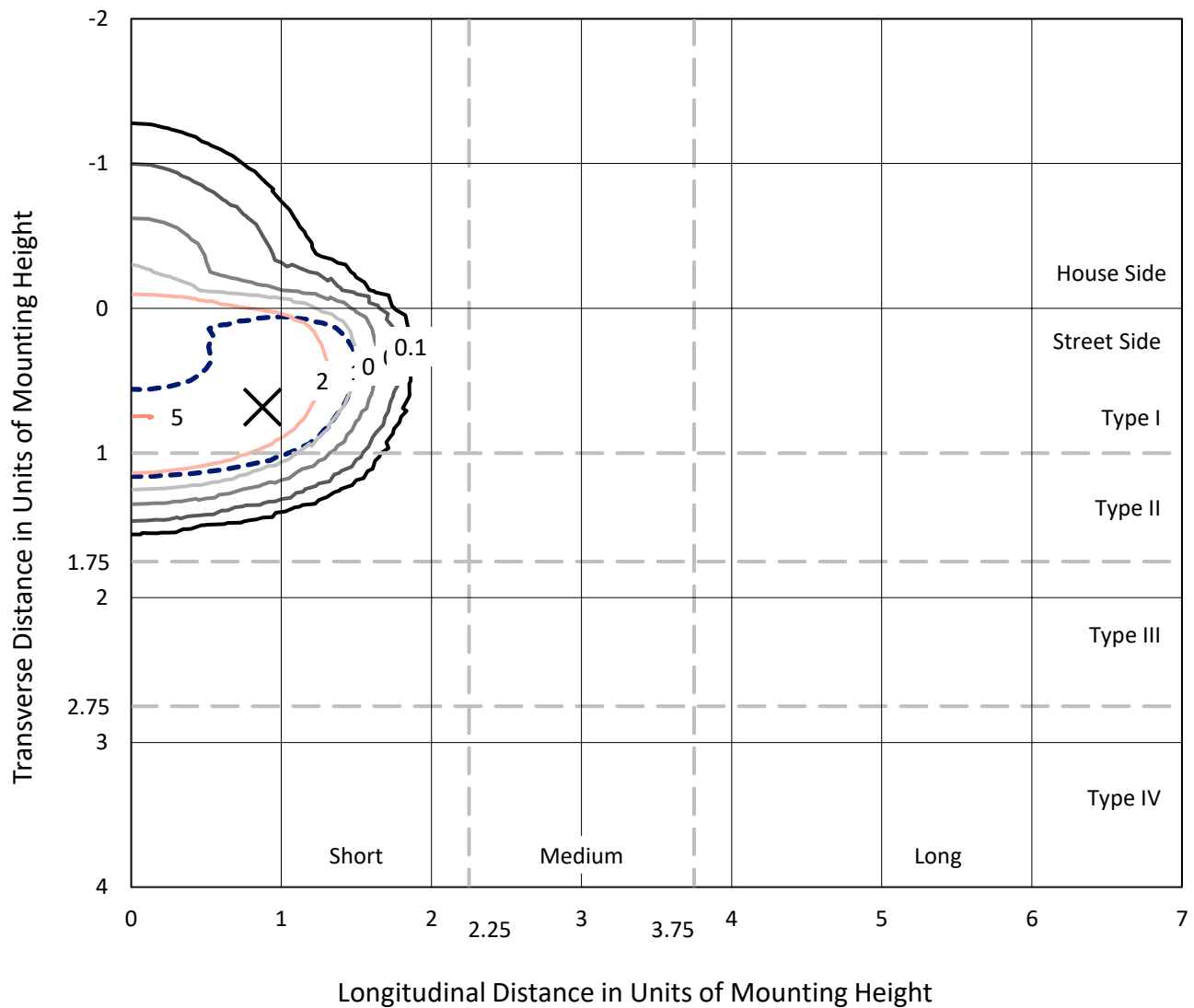


REPORT NUMBER: P527239

CATALOG NUMBER: GLAN-SA2B-730-U-AFL-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

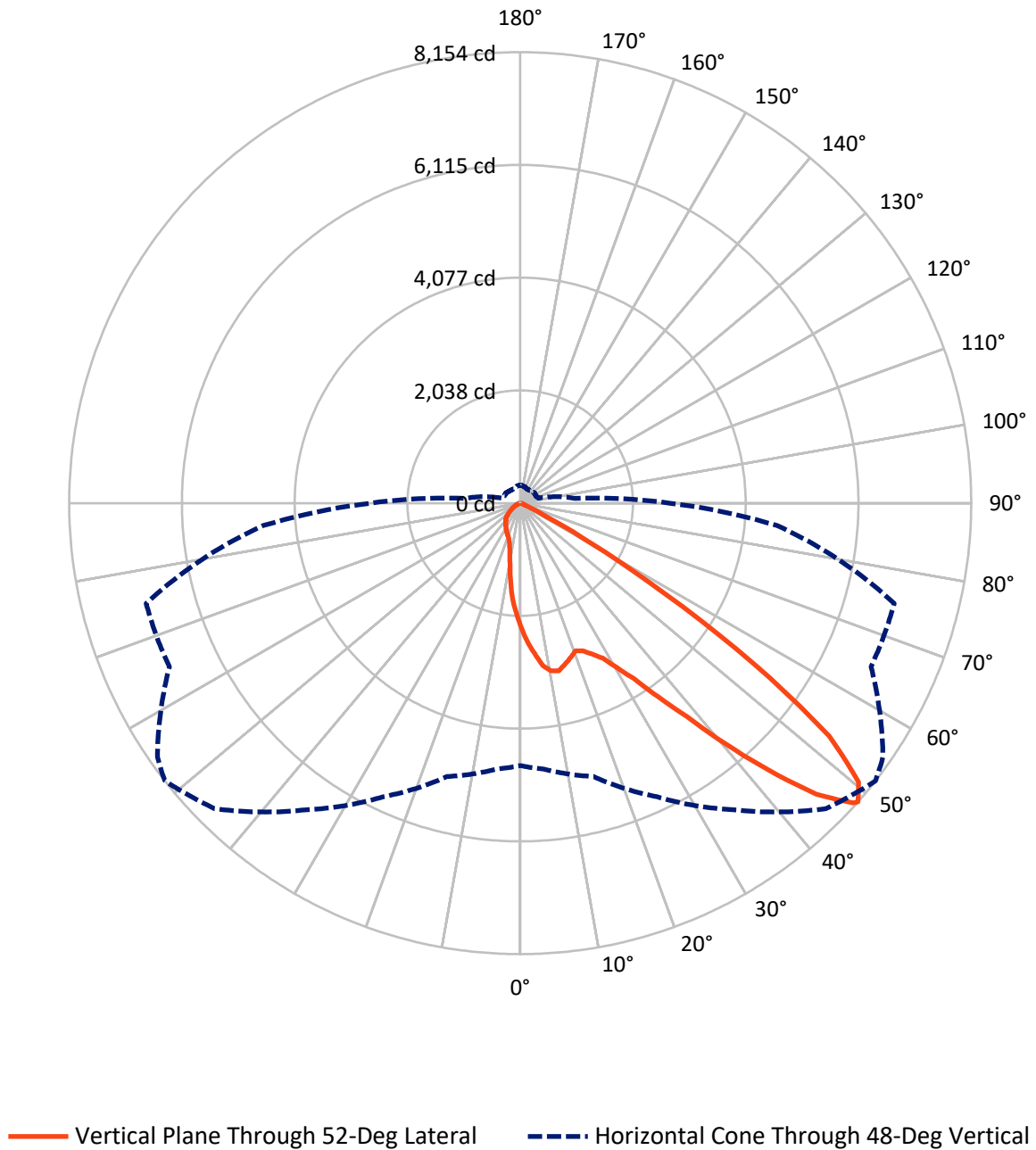


Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type II - Short - N/A

REPORT NUMBER: P527239

CATALOG NUMBER: GLAN-SA2B-730-U-AFL-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P527239

CATALOG NUMBER: GLAN-SA2B-730-U-AFL-GRSBK

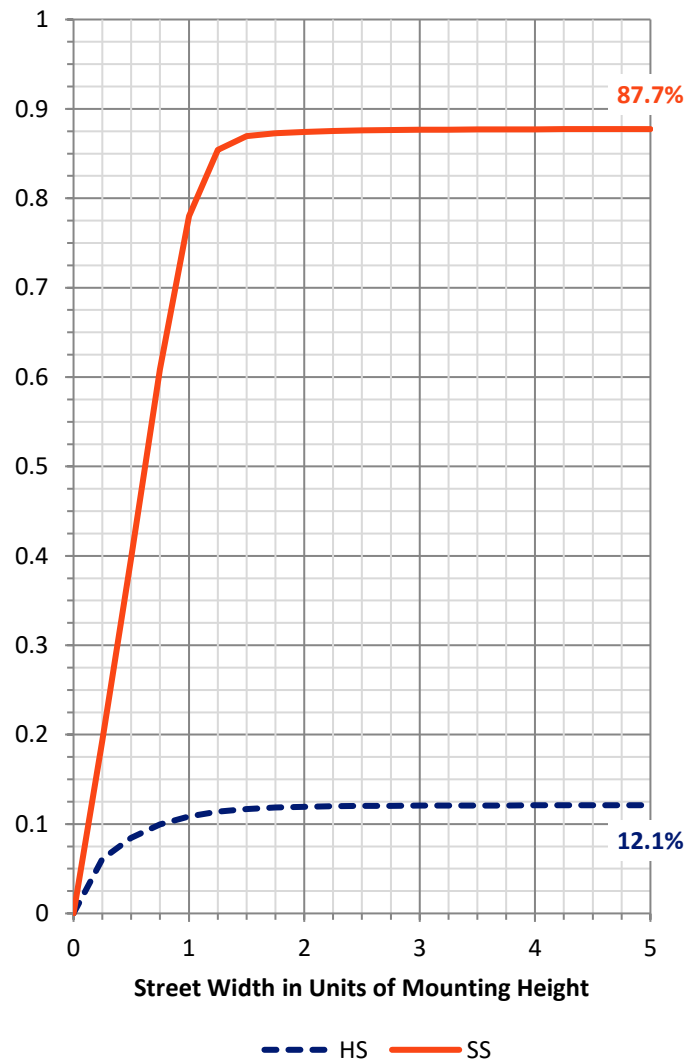
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	946.5	0.0	946.5
	% Fixture	12.2	0.0	12.2
Street Side	Lumens	6827.5	0.0	6827.5
	% Fixture	87.8	0.0	87.8
Total	Lumens	7774.0	0.0	7774.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.5	2.6
10°-20°	537.0	6.9
20°-30°	916.9	11.8
30°-40°	1688.4	21.7
40°-50°	2622.1	33.7
50°-60°	1578.1	20.3
60°-70°	182.5	2.3
70°-80°	35.3	0.5
80°-90°	8.2	0.1
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°	7774.0	100.0
0°-180°	7774.0	100.0

Coefficient of Utilization



REPORT NUMBER: P527239

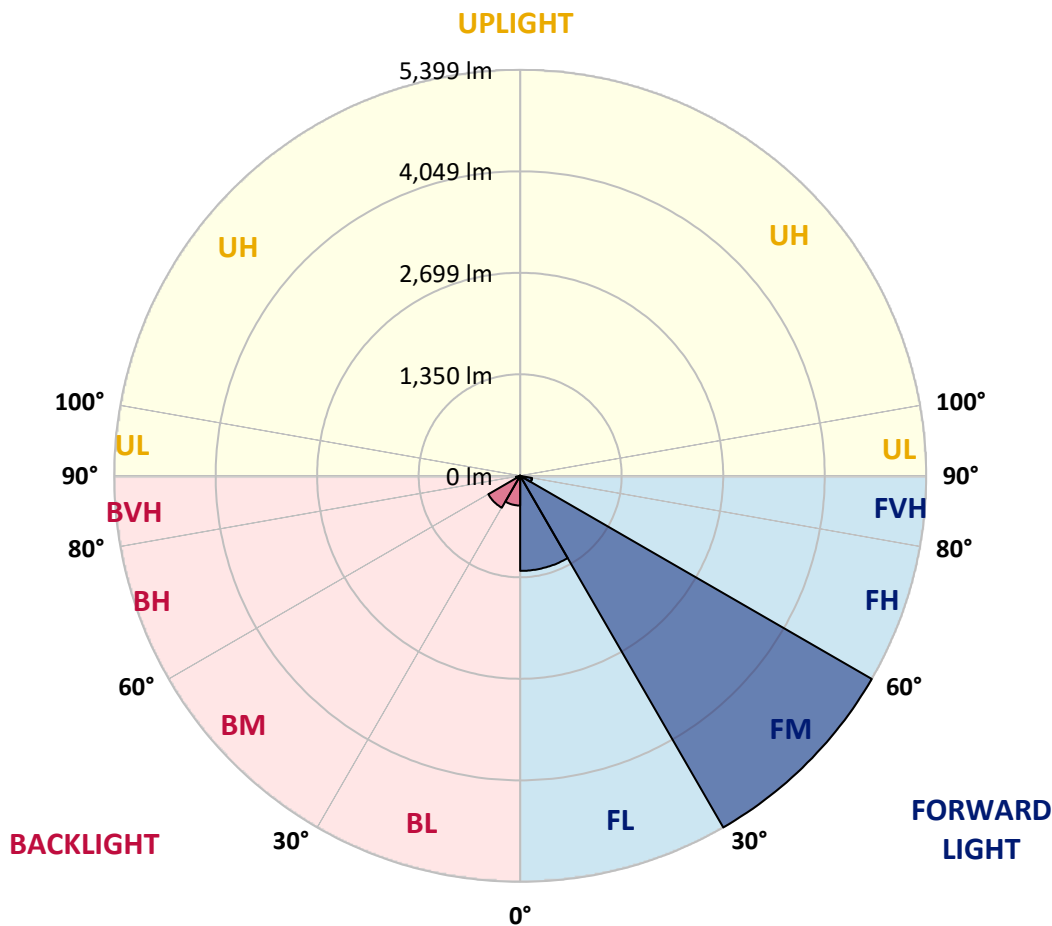
CATALOG NUMBER: GLAN-SA2B-730-U-AFL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1264.0	16.3			
FM	(30°-60°)	5398.9	69.4			
FH	(60°-80°)	160.7	2.1			G0/660
FVH	(80°-90°)	3.9	0.1			G0/10
BL	(0°-30°)	395.4	5.1	B1/500		
BM	(30°-60°)	489.7	6.3	B1/1000		
BH	(60°-80°)	57.1	0.7	B0/110		G0/110
BVH	(80°-90°)	4.3	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type II Short



REPORT NUMBER: P527239

CATALOG NUMBER: GLAN-SA2B-730-U-AFL-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	52°	55°	65°	75°	85°
0°	2245.0	2245.0	2245.0	2245.0	2245.0	2245.0	2245.0	2245.0	2245.0	2245.0	2245.0
2.5°	2721.0	2658.6	2664.3	2623.5	2599.7	2561.2	2509.1	2498.9	2442.2	2365.1	2286.9
5°	2965.8	2951.0	2970.3	2911.4	2913.6	2850.2	2727.8	2730.0	2599.7	2473.9	2352.7
7.5°	2981.6	2947.6	2966.9	3019.0	3049.6	3038.3	2969.2	2909.1	2785.6	2600.8	2424.1
10°	2670.0	2734.6	2755.0	2841.1	2963.5	3092.7	3084.8	3088.2	2985.0	2743.6	2485.3
12.5°	2483.0	2439.9	2509.1	2561.2	2745.9	2996.4	3110.8	3135.8	3143.7	2881.9	2546.5
15°	2398.0	2398.0	2409.3	2424.1	2557.8	2789.0	3022.4	3095.0	3266.1	3063.2	2642.8
17.5°	2451.3	2449.0	2464.9	2434.3	2484.1	2662.0	2940.8	3023.6	3403.2	3241.1	2718.7
20°	2613.3	2621.2	2611.0	2522.7	2526.1	2659.8	2850.2	2980.5	3496.1	3395.3	2819.6
22.5°	2838.8	2843.4	2785.6	2689.2	2660.9	2726.6	2902.3	3002.0	3570.9	3580.0	2850.2
25°	3099.5	3081.4	3070.0	2934.0	2847.9	2904.6	3020.2	3078.0	3617.4	3738.6	2937.4
27.5°	3461.0	3424.7	3355.6	3234.3	3170.9	3090.4	3173.1	3268.3	3750.0	3960.8	3032.6
30°	3994.8	3963.0	3828.2	3671.8	3505.2	3425.9	3451.9	3504.1	3989.1	4218.0	3158.4
32.5°	4798.3	4731.4	4536.5	4238.4	4011.8	3793.0	3786.2	3841.8	4203.3	4573.9	3308.0
35°	5683.3	5662.9	5376.2	5069.1	4630.5	4292.8	4298.5	4327.9	4613.5	5040.8	3504.1
37.5°	6271.5	6383.7	6201.2	5871.5	5503.1	5020.4	4898.0	4908.2	5176.8	5593.8	3857.6
40°	6725.9	6630.7	6652.3	6575.2	6323.6	5995.0	5724.1	5670.9	5828.4	6205.8	4209.0
42.5°	6527.6	6532.2	6664.7	6847.2	6909.5	6885.7	6609.2	6508.4	6386.0	6706.7	4543.3
45°	5967.8	6084.5	6256.8	6739.5	7163.4	7561.2	7506.8	7339.0	6771.3	7103.3	4735.9
47.5°	5074.8	5070.2	5352.4	5980.3	6922.0	7853.5	8100.6	7982.7	7044.4	7059.1	4696.3
48°	4745.0	4826.6	5117.8	5856.7	6769.0	7810.5	8153.9	8005.4	6997.9	7000.2	4662.3
50°	3507.5	3492.7	3855.4	4762.0	6046.0	7339.0	7929.5	8045.1	6996.8	6702.1	4424.3
52.5°	1852.9	1916.4	2180.4	2994.1	4274.7	6006.3	6994.5	7174.7	6749.7	6214.8	4082.0
55°	787.6	711.7	914.5	1352.0	2404.8	4012.9	5131.4	5532.6	5707.1	5499.7	3570.9
57.5°	281.1	307.1	353.6	508.8	1010.9	2196.3	3059.8	3371.5	3954.0	4035.6	2433.1
60°	180.2	183.6	198.3	233.5	379.6	846.6	1451.7	1699.9	1964.0	2027.4	1135.5
62.5°	139.4	140.5	147.3	153.0	180.2	328.6	545.1	646.0	670.9	576.8	298.0
65°	116.7	117.9	120.1	120.1	128.1	154.1	190.4	209.7	204.0	201.7	168.9
67.5°	89.5	91.8	96.3	96.3	100.9	94.1	105.4	112.2	126.9	154.1	143.9
70°	70.3	71.4	74.8	77.1	77.1	68.0	75.9	82.7	92.9	114.5	113.3
72.5°	54.4	56.7	58.9	58.9	55.5	46.5	54.4	60.1	66.9	79.3	77.1
75°	41.9	41.9	43.1	35.1	27.2	23.8	32.9	39.7	49.9	52.1	43.1
77.5°	11.3	12.5	11.3	10.2	11.3	17.0	21.5	24.9	31.7	31.7	28.3
80°	0.0	1.1	3.4	6.8	11.3	15.9	19.3	21.5	24.9	27.2	26.1
82.5°	0.0	1.1	3.4	6.8	10.2	12.5	17.0	18.1	20.4	23.8	23.8
85°	0.0	1.1	2.3	4.5	6.8	7.9	7.9	6.8	6.8	5.7	4.5
87.5°	0.0	0.0	1.1	2.3	2.3	3.4	3.4	3.4	3.4	3.4	3.4
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: P527239

CATALOG NUMBER: GLAN-SA2B-730-U-AFL-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2245.0	2245.0	2245.0	2245.0	2245.0	2245.0	2245.0	2245.0	2245.0	2245.0	2245.0
2.5°	2256.3	2221.2	2167.9	2084.1	2003.6	1951.5	1901.6	1846.1	1815.5	1813.2	1796.2
5°	2283.5	2204.2	2077.3	1933.4	1779.2	1646.6	1512.9	1425.6	1347.5	1304.4	1296.5
7.5°	2298.3	2195.1	1990.0	1748.6	1485.7	1269.3	1119.7	1009.7	966.7	934.9	933.8
10°	2328.9	2179.3	1859.7	1503.8	1178.6	959.9	856.7	806.9	783.1	774.0	760.4
12.5°	2351.5	2149.8	1726.0	1252.3	931.5	795.6	750.2	738.9	740.0	744.6	738.9
15°	2383.3	2123.7	1545.8	1027.9	782.0	716.2	716.2	718.5	734.4	736.6	735.5
17.5°	2381.0	2072.7	1359.9	846.6	691.3	682.2	685.6	707.2	717.4	720.8	712.8
20°	2408.2	2025.1	1168.4	723.0	640.3	653.9	676.6	682.2	694.7	697.0	687.9
22.5°	2400.3	1906.2	990.5	625.6	601.8	627.8	650.5	657.3	653.9	647.1	646.0
25°	2385.5	1804.2	827.3	561.0	573.4	601.8	623.3	610.8	604.0	605.2	606.3
27.5°	2359.5	1675.0	692.4	515.6	534.9	576.8	575.7	571.2	578.0	572.3	578.0
30°	2354.9	1545.8	581.4	474.8	506.6	537.2	539.4	547.4	555.3	545.1	555.3
32.5°	2361.7	1404.1	502.0	449.9	489.6	490.7	515.6	523.6	517.9	495.2	497.5
35°	2413.9	1295.3	444.2	436.3	462.4	463.5	487.3	477.1	452.2	438.6	446.5
37.5°	2523.8	1204.7	417.0	423.8	426.1	440.8	442.0	421.6	423.8	422.7	427.2
40°	2664.3	1135.5	397.8	412.5	410.2	420.4	379.6	391.0	401.2	404.6	406.8
42.5°	2760.6	1085.7	385.3	394.4	389.8	371.7	349.0	360.4	368.3	380.8	383.0
45°	2803.7	1046.0	370.6	362.6	362.6	329.8	320.7	323.0	341.1	354.7	352.4
47.5°	2733.4	1007.5	344.5	320.7	328.6	301.4	291.2	291.2	310.5	327.5	324.1
48°	2706.2	991.6	345.6	311.6	317.3	296.9	286.7	284.5	306.0	321.8	321.8
50°	2571.4	932.7	316.2	286.7	275.4	273.1	266.3	268.6	282.2	296.9	296.9
52.5°	2308.5	805.8	267.5	245.9	225.5	239.1	242.5	238.0	244.8	258.4	257.3
55°	1926.6	618.8	214.2	204.0	188.1	202.9	209.7	204.0	197.2	207.4	207.4
57.5°	1234.1	333.2	171.1	173.4	157.5	172.3	177.9	164.3	151.9	159.8	158.7
60°	556.4	199.5	140.5	137.1	126.9	143.9	153.0	137.1	120.1	125.8	131.5
62.5°	208.5	141.7	106.5	104.3	102.0	117.9	122.4	109.9	92.9	96.3	97.5
65°	153.0	124.7	85.0	77.1	81.6	92.9	90.7	78.2	66.9	66.9	69.1
67.5°	130.3	108.8	69.1	60.1	60.1	61.2	56.7	49.9	46.5	48.7	51.0
70°	102.0	86.1	54.4	46.5	41.9	37.4	32.9	31.7	28.3	31.7	30.6
72.5°	65.7	57.8	41.9	35.1	31.7	26.1	21.5	20.4	17.0	15.9	15.9
75°	35.1	35.1	32.9	28.3	24.9	20.4	17.0	13.6	9.1	6.8	6.8
77.5°	24.9	27.2	29.5	27.2	22.7	17.0	13.6	9.1	4.5	2.3	2.3
80°	23.8	27.2	29.5	26.1	22.7	17.0	12.5	6.8	3.4	1.1	1.1
82.5°	21.5	24.9	27.2	23.8	20.4	14.7	11.3	6.8	3.4	1.1	1.1
85°	4.5	5.7	6.8	6.8	7.9	10.2	7.9	5.7	2.3	1.1	1.1
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	2.3	2.3	1.1	1.1	1.1
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)