

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: P528335

Luminaire Tested: **GALN-SA3B-830-U-SL2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528335
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-17)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3B-830-U-SL2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7879 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

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

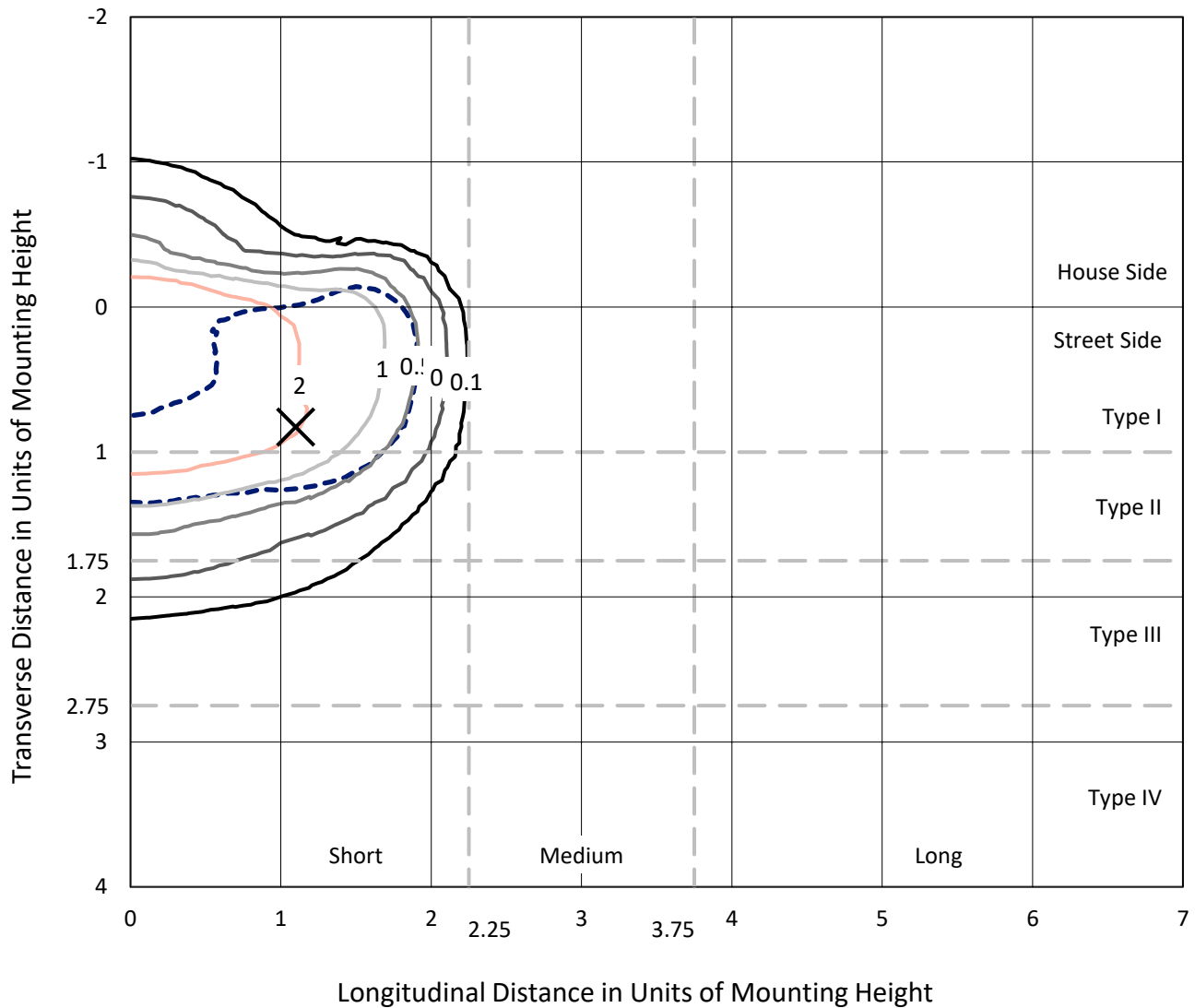


REPORT NUMBER: P528335

CATALOG NUMBER: GALN-SA3B-830-U-SL2-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

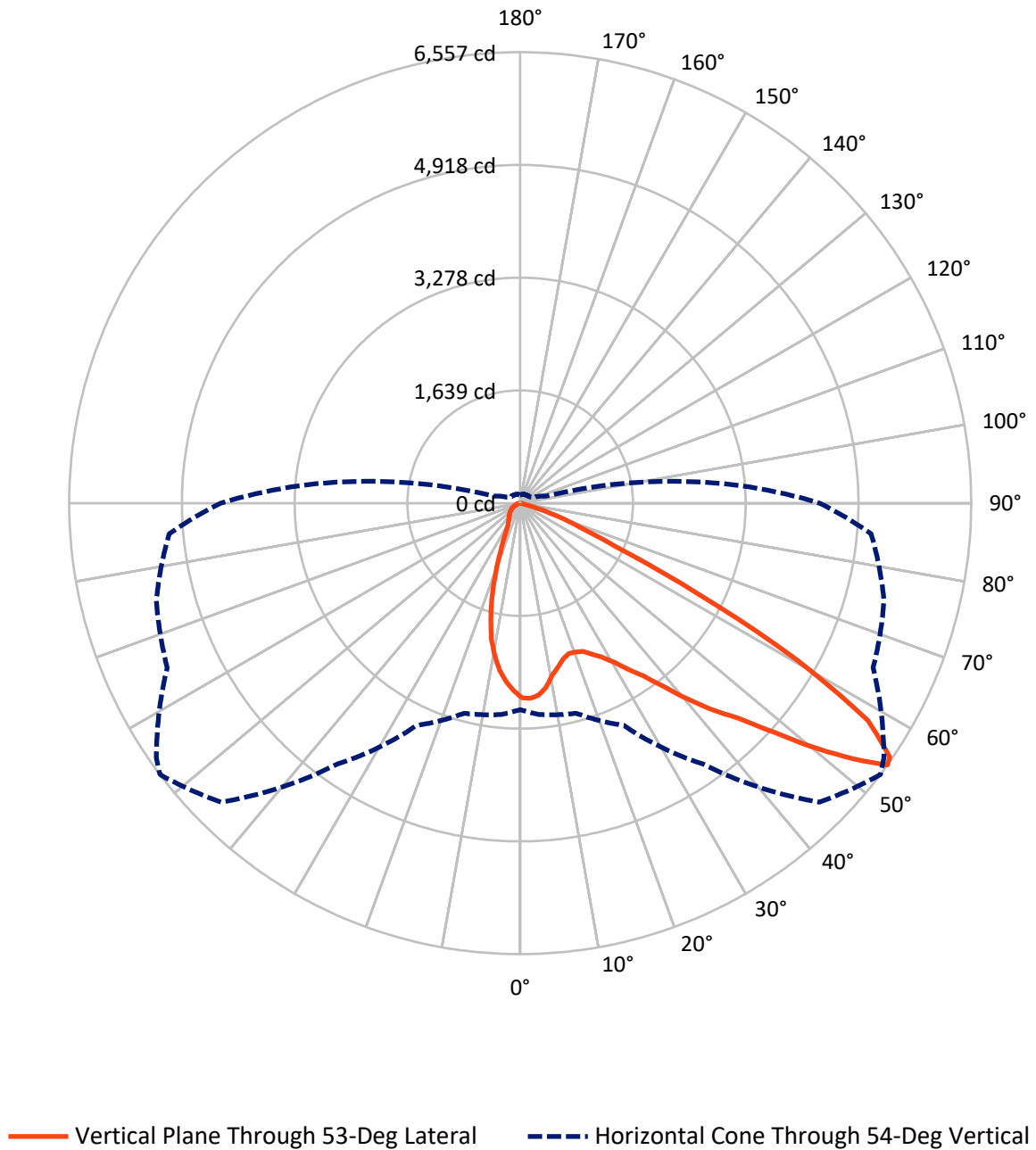


Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type II - Short - N/A

REPORT NUMBER: P528335

CATALOG NUMBER: GALN-SA3B-830-U-SL2-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P528335

CATALOG NUMBER: GALN-SA3B-830-U-SL2-GRSBK

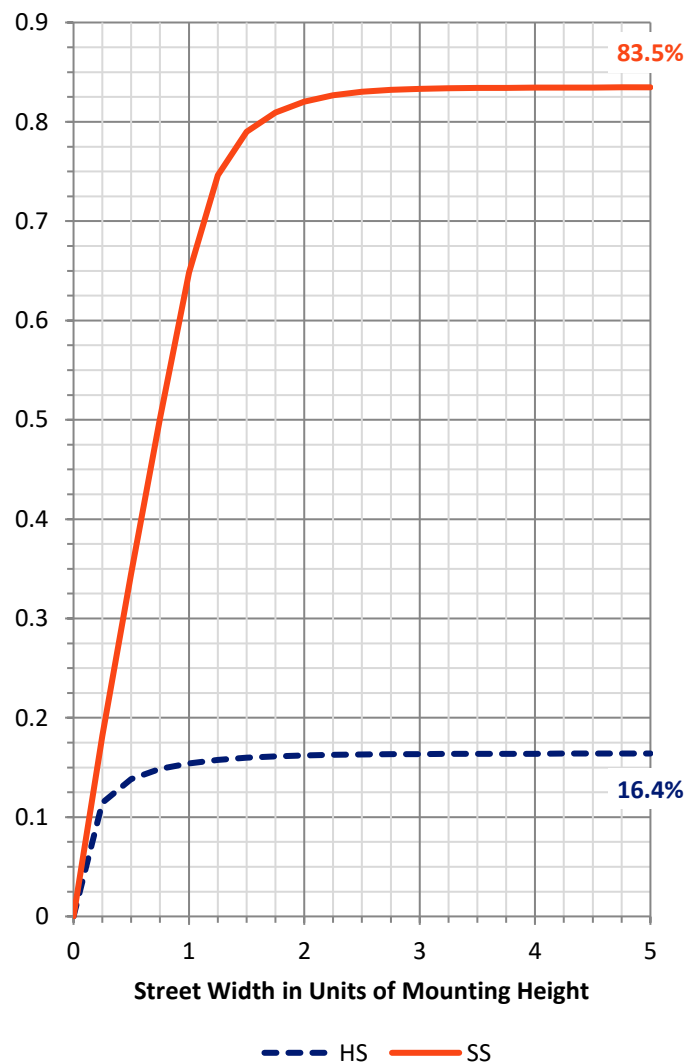
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1303.6	0.0	1303.6
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	6575.4	0.0	6575.4
	% Fixture	83.5	0.0	83.5
Total	Lumens	7879.0	0.0	7879.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.8	3.1
10°-20°	556.7	7.1
20°-30°	791.2	10.0
30°-40°	1221.0	15.5
40°-50°	1914.4	24.3
50°-60°	2223.8	28.2
60°-70°	840.3	10.7
70°-80°	79.9	1.0
80°-90°	9.0	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°	7879.0	100.0
0°-180°	7879.0	100.0

Coefficient of Utilization



REPORT NUMBER: P528335

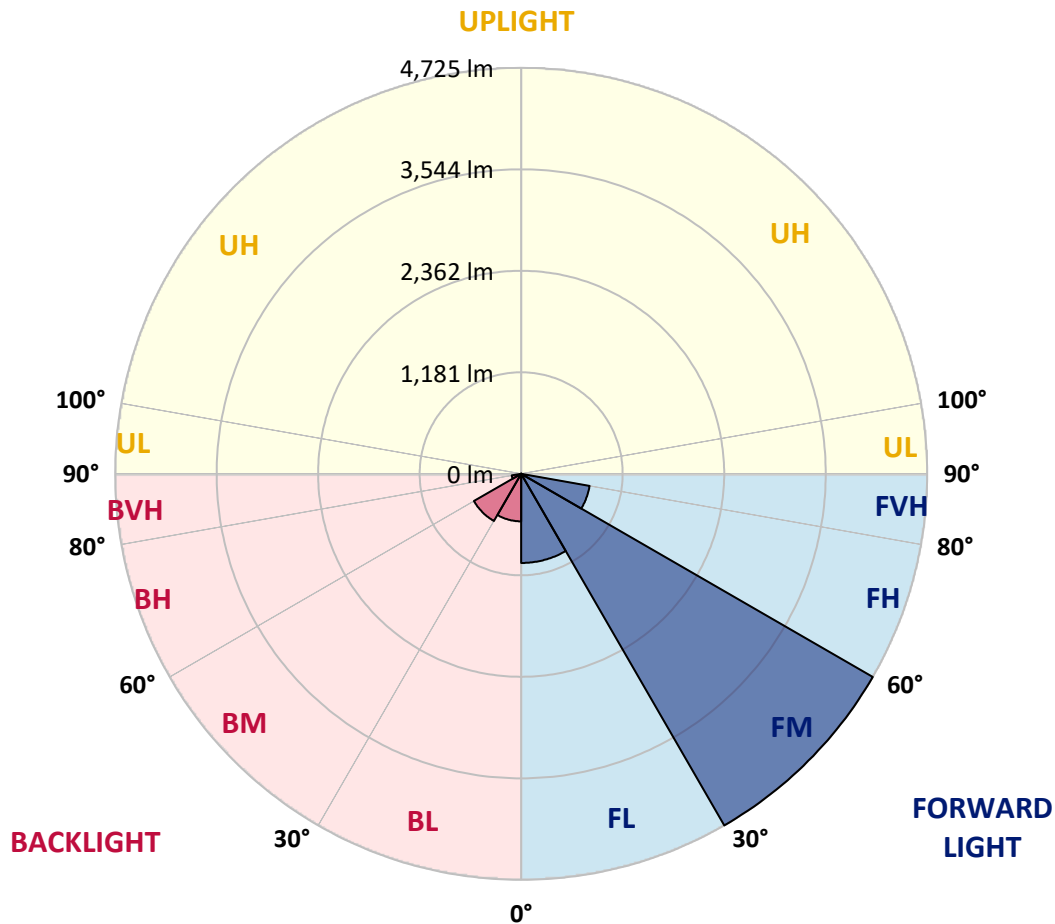
CATALOG NUMBER: GALN-SA3B-830-U-SL2-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1037.5	13.2			
FM	(30°-60°)	4724.8	60.0			
FH	(60°-80°)	808.5	10.3			G1/1800
FVH	(80°-90°)	4.6	0.1			G0/10
BL	(0°-30°)	553.2	7.0	B2/1000		
BM	(30°-60°)	634.4	8.1	B1/1000		
BH	(60°-80°)	111.7	1.4	B1/500		G1/500
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: B2-U0-G1

Type II Short



REPORT NUMBER: P528335

CATALOG NUMBER: GALN-SA3B-830-U-SL2-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	2830.0	2830.0	2830.0	2830.0	2830.0	2830.0	2830.0	2830.0	2830.0	2830.0	2830.0
2.5°	2815.3	2790.4	2815.3	2818.3	2835.9	2852.0	2841.7	2865.2	2852.0	2837.3	2832.9
5°	2587.8	2621.6	2623.0	2675.9	2664.1	2761.0	2803.6	2791.8	2863.8	2859.4	2849.1
7.5°	2383.8	2370.6	2388.2	2449.8	2527.6	2639.2	2700.8	2699.4	2802.1	2875.5	2868.2
10°	2194.4	2193.0	2229.7	2278.1	2344.1	2461.6	2546.7	2589.3	2749.3	2860.8	2877.0
12.5°	2066.7	2060.9	2100.5	2140.1	2244.3	2335.3	2444.0	2464.5	2648.0	2809.5	2835.9
15°	1983.1	1996.3	1999.2	2075.5	2141.6	2261.9	2347.1	2389.7	2601.0	2768.4	2869.6
17.5°	1968.4	1986.0	1987.5	2050.6	2121.0	2222.3	2297.2	2354.4	2561.4	2788.9	2871.1
20°	1997.7	1987.5	1996.3	2035.9	2104.9	2201.8	2310.4	2329.5	2548.2	2799.2	2887.2
22.5°	2081.4	2078.5	2056.4	2088.7	2137.2	2238.5	2341.2	2370.6	2586.3	2852.0	2900.5
25°	2173.9	2190.0	2169.5	2165.1	2198.8	2298.6	2435.2	2473.3	2714.0	2947.4	2941.6
27.5°	2347.1	2330.9	2330.9	2310.4	2301.6	2350.0	2536.4	2599.6	2856.4	3070.7	2988.5
30°	2512.9	2530.6	2517.4	2524.7	2466.0	2461.6	2680.3	2758.1	3108.9	3258.6	3088.3
32.5°	2775.7	2752.2	2774.2	2755.1	2677.3	2598.1	2875.5	2956.2	3414.2	3474.4	3238.1
35°	2994.4	2984.1	3078.1	3075.1	2948.9	2871.1	3082.5	3202.8	3627.0	3732.7	3414.2
37.5°	3305.6	3286.5	3393.7	3445.0	3332.0	3216.0	3379.0	3518.4	3825.2	3939.7	3594.8
40°	3625.6	3674.0	3817.9	3903.0	3782.6	3628.5	3741.5	3784.1	3957.3	4074.7	3718.0
42.5°	4030.7	4101.2	4247.9	4321.3	4311.1	4143.7	4110.0	4108.5	4052.7	4036.6	3809.1
45°	4419.7	4393.3	4619.3	4779.3	4908.5	4860.0	4465.2	4421.1	4203.9	4093.8	3832.5
47.5°	4589.9	4581.1	4735.3	5020.0	5460.4	5520.6	4981.9	4811.6	4459.3	4334.5	3960.2
50°	4369.8	4415.3	4567.9	4883.5	5558.7	6018.2	5616.0	5387.0	4757.3	4628.1	4262.6
52.5°	3650.5	3681.4	3826.7	4227.4	5224.1	6311.7	6223.7	6091.6	5304.8	5090.5	4789.6
54°	3001.7	3083.9	3163.2	3565.4	4628.1	6148.8	6556.9	6455.6	5661.5	5475.1	5121.3
55°	2614.2	2662.7	2719.9	3120.6	4215.6	5872.8	6518.7	6527.5	5900.7	5595.4	5344.4
57.5°	1909.7	1943.4	1884.7	2062.3	2894.6	4769.0	5962.4	6200.2	6223.7	5776.0	5480.9
60°	1459.0	1473.7	1407.7	1435.6	1799.6	3273.3	4612.0	4898.2	5614.5	5047.9	4642.8
62.5°	1131.7	1134.6	1133.2	1181.6	1240.3	1925.8	2884.3	3138.3	3870.7	3584.5	3152.9
65°	833.7	820.5	844.0	990.8	1058.3	1211.0	1519.2	1704.2	2103.4	1776.1	1269.7
67.5°	540.2	544.6	568.1	736.9	907.1	929.1	935.0	920.3	921.8	507.9	318.5
70°	324.4	331.7	324.4	416.9	648.8	666.4	609.2	594.5	463.8	120.4	118.9
72.5°	192.3	182.0	162.9	179.1	270.1	322.9	290.6	289.2	182.0	70.5	70.5
75°	80.7	73.4	60.2	54.3	71.9	69.0	69.0	61.6	48.4	47.0	44.0
77.5°	16.1	16.1	11.7	13.2	17.6	20.5	25.0	25.0	29.4	29.4	27.9
80°	0.0	1.5	4.4	8.8	13.2	19.1	22.0	22.0	25.0	25.0	20.5
82.5°	0.0	1.5	4.4	8.8	11.7	17.6	22.0	22.0	25.0	26.4	22.0
85°	0.0	1.5	4.4	7.3	11.7	14.7	14.7	13.2	10.3	8.8	5.9
87.5°	0.0	0.0	1.5	2.9	1.5	2.9	2.9	2.9	2.9	2.9	2.9
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: P528335

CATALOG NUMBER: GALN-SA3B-830-U-SL2-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2830.0	2830.0	2830.0	2830.0	2830.0	2830.0	2830.0	2830.0	2830.0	2830.0	2830.0
2.5°	2843.2	2841.7	2806.5	2749.3	2736.1	2687.6	2681.8	2652.4	2668.5	2614.2	2608.4
5°	2819.7	2802.1	2759.5	2722.9	2615.7	2539.4	2479.2	2405.8	2363.2	2370.6	2342.7
7.5°	2853.5	2808.0	2733.1	2605.4	2474.8	2341.2	2269.3	2119.6	2065.3	1984.5	1972.8
10°	2818.3	2784.5	2668.5	2457.2	2276.6	2084.3	1915.5	1749.7	1623.4	1569.1	1557.4
12.5°	2815.3	2756.6	2562.9	2328.0	2066.7	1790.8	1545.6	1338.7	1213.9	1143.5	1127.3
15°	2769.8	2699.4	2444.0	2128.4	1767.3	1423.8	1156.7	957.0	861.6	820.5	832.3
17.5°	2774.2	2668.5	2325.1	1917.0	1472.2	1045.1	789.7	687.0	662.0	672.3	672.3
20°	2769.8	2599.6	2181.2	1673.3	1127.3	725.1	579.8	543.1	559.2	591.5	584.2
22.5°	2746.3	2567.3	2049.1	1416.5	829.3	537.2	465.3	466.8	491.7	531.4	540.2
25°	2764.0	2495.3	1881.8	1156.7	604.8	428.6	403.7	413.9	440.4	469.7	475.6
27.5°	2750.7	2444.0	1707.1	898.3	441.8	368.4	367.0	378.7	390.4	412.5	412.5
30°	2765.4	2397.0	1535.4	667.9	364.0	337.6	331.7	340.5	352.3	356.7	355.2
32.5°	2819.7	2361.8	1337.2	499.1	321.5	308.2	308.2	308.2	306.8	312.7	314.1
35°	2938.6	2367.6	1162.5	386.0	293.6	283.3	278.9	273.0	270.1	273.0	274.5
37.5°	3067.8	2364.7	982.0	328.8	273.0	264.2	253.9	245.1	243.7	246.6	242.2
40°	3125.0	2392.6	814.7	295.0	253.9	243.7	227.5	220.2	221.6	224.6	221.6
42.5°	3202.8	2401.4	706.0	268.6	236.3	220.2	209.9	201.1	199.6	204.0	202.6
45°	3201.4	2351.5	591.5	253.9	220.2	202.6	189.4	182.0	182.0	184.9	186.4
47.5°	3295.3	2344.1	507.9	240.7	208.4	190.8	174.7	168.8	167.3	167.3	164.4
50°	3514.0	2446.9	443.3	226.0	193.8	177.6	164.4	157.1	151.2	148.3	146.8
52.5°	3941.2	2766.9	393.4	208.4	177.6	164.4	152.7	146.8	139.4	132.1	130.6
54°	4355.1	3097.2	390.4	193.8	164.4	155.6	145.3	142.4	133.6	123.3	120.4
55°	4541.5	3289.4	400.7	182.0	155.6	149.7	140.9	138.0	129.2	117.4	116.0
57.5°	4695.6	3364.3	394.9	151.2	140.9	139.4	132.1	127.7	117.4	101.3	98.3
60°	3779.7	2543.8	283.3	133.6	129.2	126.2	120.4	117.4	104.2	86.6	85.1
62.5°	2388.2	1463.4	180.5	117.4	113.0	108.6	101.3	98.3	86.6	69.0	64.6
65°	1017.2	606.2	121.8	104.2	96.9	89.5	83.7	79.3	69.0	51.4	49.9
67.5°	264.2	215.8	101.3	91.0	80.7	70.5	66.1	58.7	47.0	35.2	33.8
70°	118.9	108.6	85.1	76.3	64.6	54.3	48.4	41.1	30.8	23.5	22.0
72.5°	70.5	69.0	64.6	57.2	48.4	41.1	35.2	27.9	20.5	13.2	13.2
75°	44.0	42.6	44.0	39.6	33.8	30.8	26.4	19.1	11.7	5.9	5.9
77.5°	26.4	26.4	26.4	25.0	23.5	23.5	19.1	11.7	5.9	1.5	1.5
80°	20.5	20.5	22.0	20.5	20.5	20.5	16.1	8.8	2.9	0.0	0.0
82.5°	20.5	22.0	25.0	23.5	20.5	17.6	14.7	8.8	2.9	0.0	0.0
85°	5.9	4.4	7.3	10.3	14.7	13.2	10.3	7.3	2.9	0.0	0.0
87.5°	2.9	2.9	2.9	2.9	1.5	1.5	1.5	1.5	1.5	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)