

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: P650574

Luminaire Tested: **GLAN-SA8B-835-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650574
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8B-835-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30436.8 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

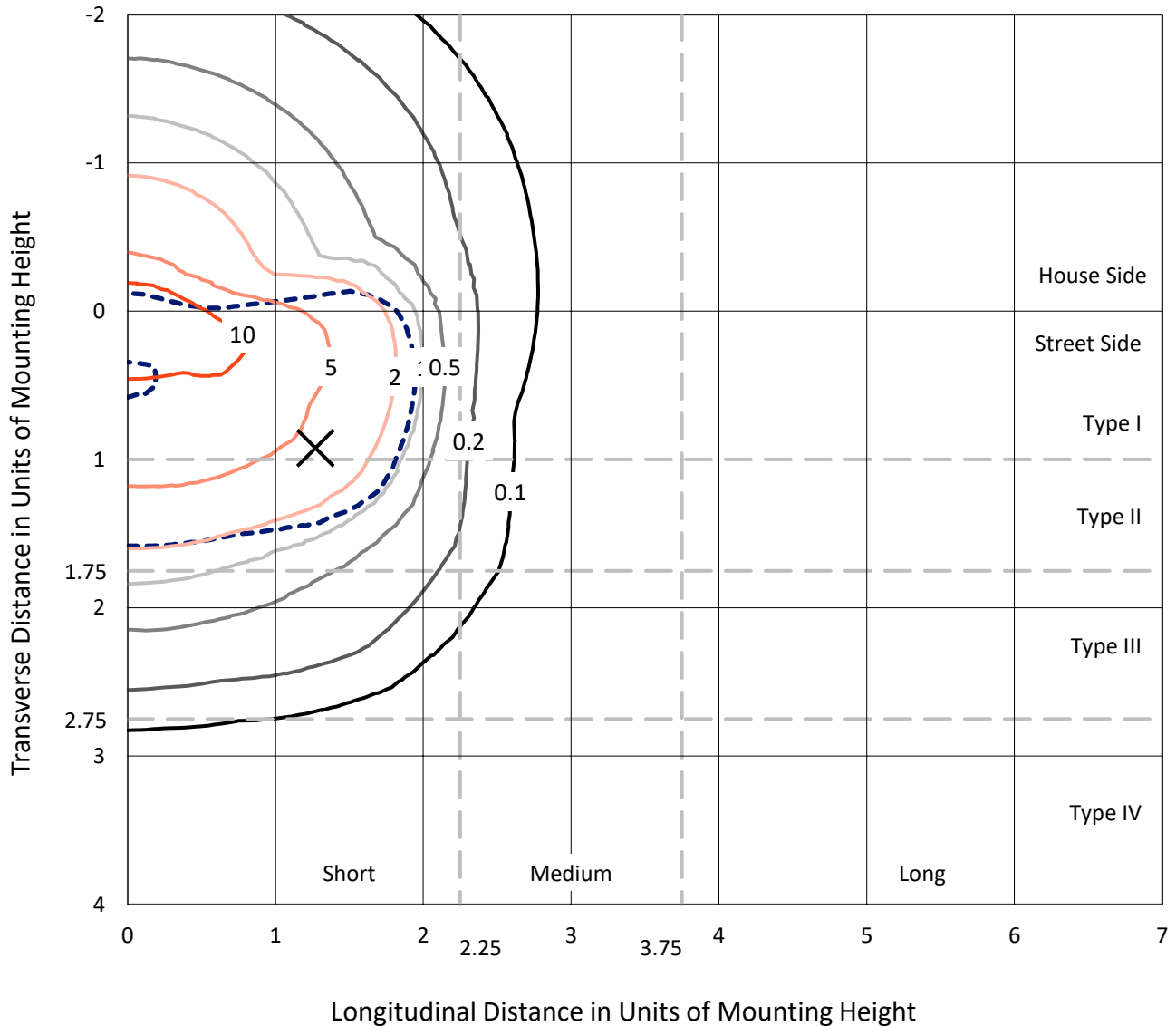
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

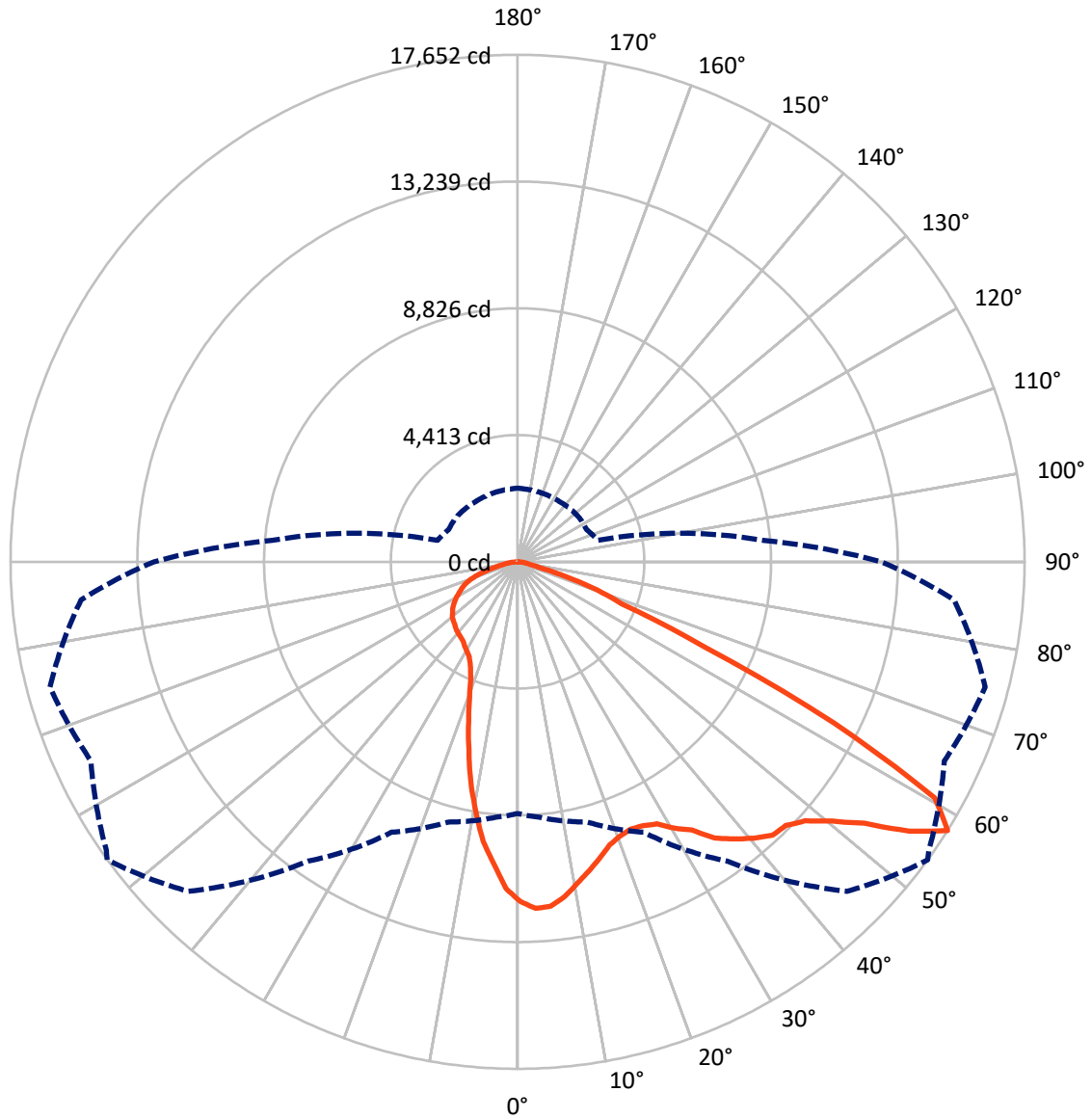
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8420.5	0.0	8420.5
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	22016.3	0.0	22016.3
	% Fixture	72.3	0.0	72.3
Total	Lumens	30436.8	0.0	30436.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1020.3	3.4
10°-20°	2362.3	7.8
20°-30°	3319.0	10.9
30°-40°	4640.0	15.2
40°-50°	6281.7	20.6
50°-60°	7651.4	25.1
60°-70°	3985.2	13.1
70°-80°	1021.2	3.4
80°-90°	155.8	0.5
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°	30436.8	100.0
0°-180°	30436.8	100.0

Coefficient of Utilization

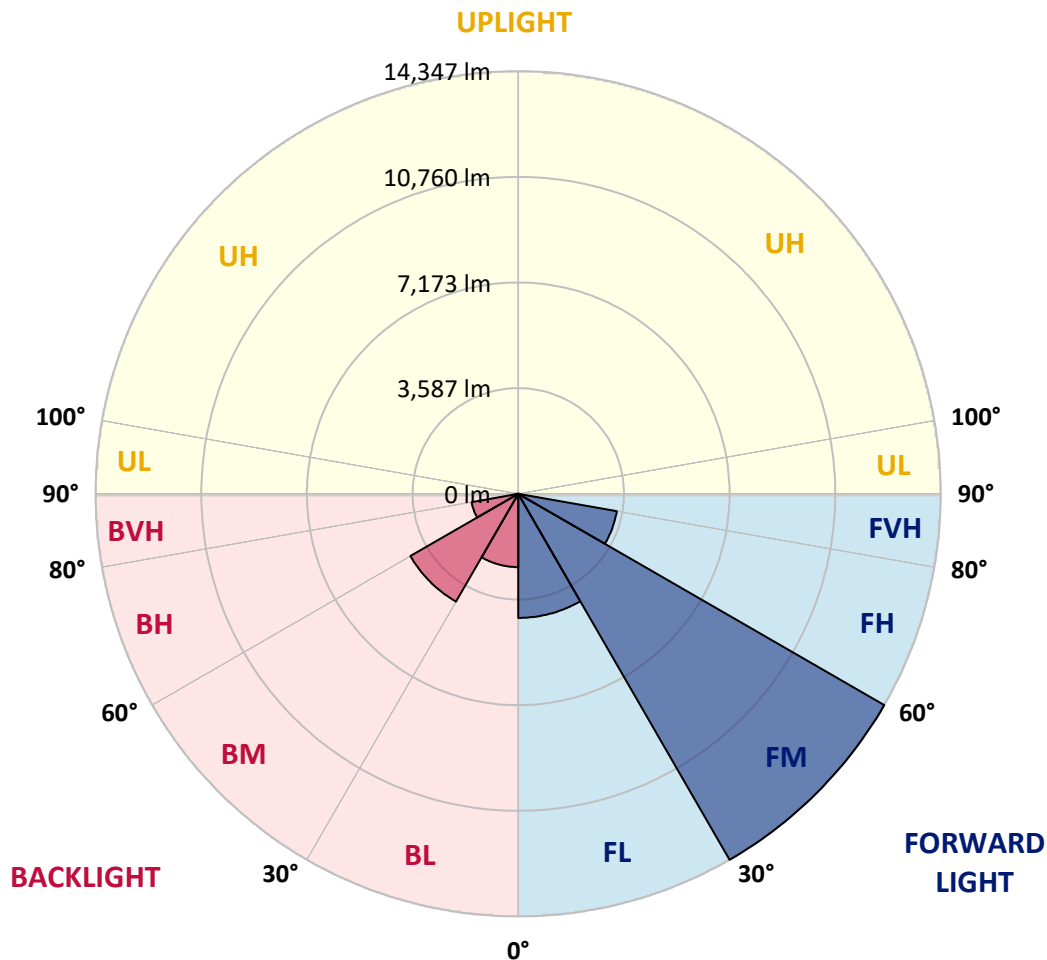


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4212.9	13.8			
FM	(30°-60°)	14347.0	47.1			
FH	(60°-80°)	3397.6	11.2			G2/5000
FVH	(80°-90°)	58.9	0.2			G1/100
BL	(0°-30°)	2488.7	8.2	B3/2500		
BM	(30°-60°)	4226.2	13.9	B3/5000		
BH	(60°-80°)	1608.7	5.3	B3/2500		G3/2500
BVH	(80°-90°)	96.9	0.3			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	11830.4	11830.4	11830.4	11830.4	11830.4	11830.4	11830.4	11830.4	11830.4	11830.4	11830.4
2.5°	12166.9	12119.9	12127.7	12190.4	12112.1	12080.8	12080.8	11928.2	11940.0	11834.3	11806.9
5°	11885.2	11775.7	11850.0	11943.9	11959.5	11990.9	12041.7	12002.5	11893.0	11779.5	11595.7
7.5°	11149.7	11247.5	11274.9	11341.4	11482.2	11611.3	11771.8	11662.2	11658.3	11544.9	11435.3
10°	10504.2	10445.5	10594.1	10691.9	10926.7	11141.9	11388.3	11376.6	11435.3	11306.2	11118.4
12.5°	9862.6	9815.7	9886.1	10109.1	10437.7	10750.7	11044.1	10934.5	11247.5	11224.1	10821.1
15°	9181.8	9217.1	9318.8	9526.1	9956.5	10332.1	10703.7	10707.6	10985.4	11079.3	10539.4
17.5°	8704.6	8665.5	8794.6	9103.6	9487.1	9936.9	10359.5	10445.5	10872.0	10926.7	10453.4
20°	8348.6	8403.4	8571.6	8728.1	9170.2	9714.0	10191.2	10222.5	10848.5	10997.2	10316.4
22.5°	8262.5	8231.2	8286.0	8540.3	8904.1	9494.9	10101.2	10218.6	10844.6	10973.7	10058.2
25°	8172.6	8274.3	8270.4	8524.6	8790.7	9318.8	10175.6	10304.7	11051.9	11095.0	10093.4
27.5°	8376.0	8364.2	8473.8	8493.4	8822.0	9365.8	10332.1	10429.9	11396.2	11360.9	10120.8
30°	8579.4	8520.8	8587.2	8818.1	8970.6	9635.7	10762.4	10754.6	11842.2	11818.7	10206.9
32.5°	8829.8	8802.4	8845.5	9048.9	9307.1	9995.6	11126.2	11357.0	12296.0	12444.6	10504.2
35°	8876.7	8990.2	9091.9	9365.8	9733.5	10578.6	11810.9	12002.5	12820.2	13285.8	11071.5
37.5°	9174.0	9217.1	9455.7	9940.8	10277.3	11357.0	12245.1	12366.4	13297.5	13825.7	11670.0
40°	9491.0	9541.8	9901.7	10410.3	10872.0	11865.7	12651.9	12691.1	13450.1	14240.3	12061.3
42.5°	9921.3	9968.2	10324.2	10961.9	11580.0	12299.9	13011.9	13055.0	13438.3	14717.6	12683.3
45°	10367.2	10480.7	10899.4	11623.1	12178.6	12808.5	13094.0	13270.1	13547.9	15144.0	13188.0
47.5°	10993.2	11098.9	11443.2	12151.2	12800.6	13254.5	13473.6	13645.7	13810.0	15515.7	13512.7
50°	11658.3	11677.8	12096.5	12738.1	13215.3	13759.1	14181.6	14240.3	14154.3	15946.0	14064.2
52.5°	12147.3	12209.9	12534.7	13160.6	13872.6	14541.6	15120.6	15183.2	15015.0	16106.5	14252.1
55°	11337.5	11302.3	11830.4	12663.7	14314.6	15707.4	16548.5	16595.5	15640.9	16603.3	14866.3
57.5°	8763.3	8931.5	9381.4	10386.8	12718.5	16223.8	17651.7	17483.5	16392.0	16853.7	15257.5
60°	6369.0	6329.9	6631.1	7304.1	9584.9	13982.1	16689.3	16861.5	15777.8	15191.0	12581.6
62.5°	5187.5	5132.8	5156.2	5179.7	6185.2	9279.7	12354.6	12350.7	12151.2	10918.9	8485.5
65°	4146.9	4276.0	4287.7	4463.8	4592.9	5543.6	7159.3	7542.7	6568.5	5387.0	3908.3
67.5°	3125.8	3078.9	3235.4	3861.3	4103.9	4002.1	3908.3	3951.3	2808.9	2026.5	1909.1
70°	1842.6	1823.1	2010.8	2691.6	3380.1	3180.6	2945.9	2949.8	1928.7	1416.2	1576.6
72.5°	1009.4	1005.5	1044.5	1365.3	1920.9	1995.2	1768.3	1823.1	1150.1	1146.2	1232.4
75°	563.4	551.6	539.9	602.4	692.5	731.6	747.2	755.0	790.3	884.2	919.4
77.5°	207.3	199.5	199.5	230.8	293.4	367.8	465.6	473.4	559.5	641.6	676.8
80°	70.4	78.2	105.6	144.8	195.6	262.1	316.9	324.7	395.1	449.9	461.7
82.5°	43.1	47.0	70.4	101.7	140.9	183.8	234.7	238.7	293.4	328.6	344.3
85°	19.6	23.5	39.2	62.6	90.0	121.3	125.2	125.2	121.3	125.2	117.4
87.5°	0.0	0.0	7.8	7.8	7.8	11.7	15.7	11.7	19.6	23.5	23.5
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°	11830.4	11830.4	11830.4	11830.4	11830.4	11830.4	11830.4	11830.4	11830.4	11830.4	11830.4
2.5°	11724.8	11681.7	11548.8	11431.4	11396.2	11239.7	11008.9	11036.2	10868.0	10946.3	10864.1
5°	11564.4	11419.7	11079.3	10934.5	10555.1	10382.9	10265.5	9972.1	9835.2	9807.9	9690.5
7.5°	11153.6	11063.6	10637.2	10246.0	9843.0	9498.7	9056.7	8755.4	8540.3	8481.6	8309.4
10°	10828.9	10629.4	10038.7	9444.0	8868.9	8270.4	7695.2	7245.3	7026.3	6772.0	6685.9
12.5°	10508.1	10206.9	9408.8	8645.9	7902.6	7147.5	6451.2	5903.5	5426.2	5312.7	5273.6
15°	10308.6	9784.4	8845.5	7926.1	6869.8	5883.9	5187.5	4827.7	4534.2	4412.9	4499.0
17.5°	10046.4	9436.2	8305.5	7081.1	5919.1	5011.5	4428.6	4205.6	4099.9	4111.7	4076.5
20°	9717.8	9107.5	7597.4	6314.3	5070.2	4346.4	4013.9	3931.8	3947.4	3974.7	3963.0
22.5°	9483.1	8708.5	7085.0	5531.8	4381.7	3978.7	3841.8	3783.1	3834.0	3857.4	3837.9
25°	9303.1	8368.2	6462.9	4839.3	3982.6	3771.3	3708.8	3704.8	3783.1	3814.4	3794.8
27.5°	9138.9	8051.3	5844.8	4311.2	3716.6	3611.0	3591.4	3638.3	3689.2	3720.5	3747.8
30°	9041.1	7808.7	5265.8	3869.1	3583.6	3532.7	3497.5	3540.5	3567.9	3599.2	3583.6
32.5°	9134.9	7636.6	4706.4	3618.8	3474.0	3423.1	3470.1	3442.7	3489.7	3517.1	3474.0
35°	9428.3	7484.0	4307.3	3485.8	3348.8	3368.4	3376.2	3364.5	3384.0	3360.6	3411.5
37.5°	9717.8	7429.3	3939.6	3372.3	3290.2	3290.2	3282.3	3258.8	3298.0	3290.2	3313.6
40°	10085.6	7464.4	3626.6	3251.0	3235.4	3227.5	3196.3	3192.4	3176.7	3180.6	3188.5
42.5°	10406.4	7542.7	3446.6	3172.8	3184.5	3200.2	3141.5	3094.5	3114.1	3075.0	3075.0
45°	10746.8	7613.1	3286.3	3118.0	3106.2	3102.3	3055.4	3028.0	3012.4	3016.3	3051.5
47.5°	11282.7	7714.8	3165.0	3043.7	3051.5	2992.8	2981.1	2945.9	2961.5	2985.0	2988.9
50°	11662.2	7930.0	3071.1	2957.6	2985.0	2945.9	2875.5	2859.8	2859.8	2898.9	2891.1
52.5°	11928.2	8231.2	2981.1	2863.7	2875.5	2844.2	2820.7	2785.4	2762.0	2816.8	2844.2
55°	12742.0	8732.0	2957.6	2785.4	2781.5	2750.3	2707.2	2672.0	2660.2	2668.1	2722.9
57.5°	12663.7	8575.5	2883.2	2648.6	2640.7	2597.7	2554.6	2542.9	2539.0	2546.9	2562.4
60°	10281.2	6333.8	2574.2	2492.1	2480.3	2472.5	2429.5	2382.5	2359.0	2382.5	2362.9
62.5°	6803.3	4240.8	2269.1	2304.3	2312.1	2292.5	2222.2	2175.2	2183.0	2210.4	2167.3
65°	3341.0	2492.1	2057.8	2151.7	2159.5	2104.8	2038.2	1983.5	1956.1	1979.6	1960.0
67.5°	1909.1	1905.2	1885.7	1983.5	1979.6	1924.8	1819.1	1772.2	1725.3	1733.1	1721.3
70°	1619.6	1651.0	1690.0	1748.8	1744.8	1682.3	1557.1	1521.8	1455.4	1447.5	1428.0
72.5°	1275.4	1330.2	1416.2	1459.3	1424.0	1345.8	1263.6	1205.0	1146.2	1111.1	1122.8
75°	946.7	1025.0	1071.9	1099.3	1044.5	1001.5	935.0	864.6	794.2	762.9	751.1
77.5°	688.6	712.0	755.0	774.6	739.4	696.4	657.3	586.9	520.3	477.3	465.6
80°	481.2	496.8	528.1	528.1	528.1	508.6	457.7	387.3	344.3	305.1	297.3
82.5°	336.5	352.1	383.4	367.8	363.9	340.4	309.1	254.3	207.3	179.9	172.1
85°	117.4	129.1	156.5	187.8	199.5	195.6	176.0	140.9	109.5	90.0	82.1
87.5°	27.4	27.4	31.3	27.4	27.4	31.3	27.4	27.4	27.4	19.6	15.7
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)