

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: P458661

Luminaire Tested: **GLAN-SA2B-735-U-AFL-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458661
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2B-735-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8733 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

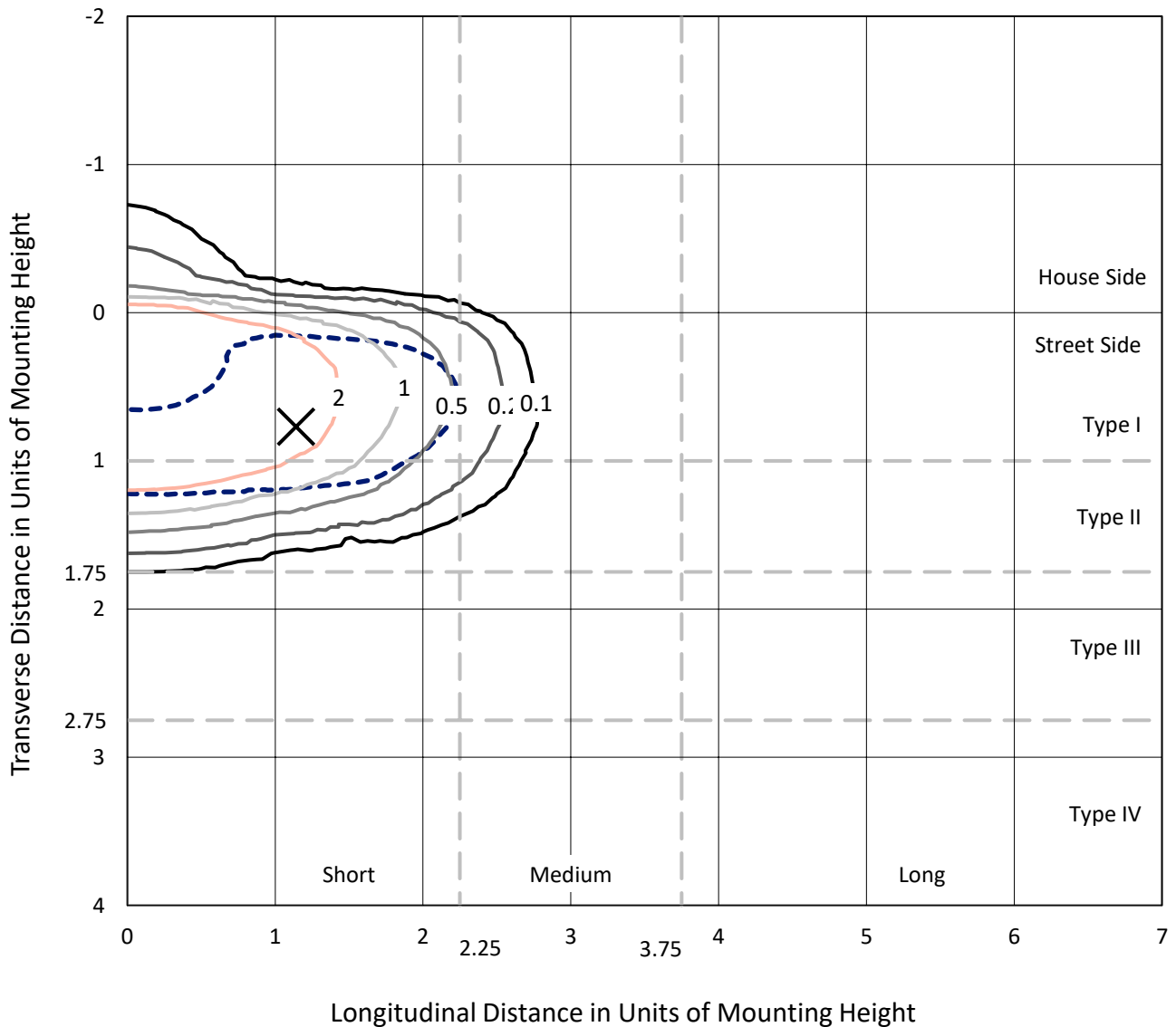
Input Watts (W): 82
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

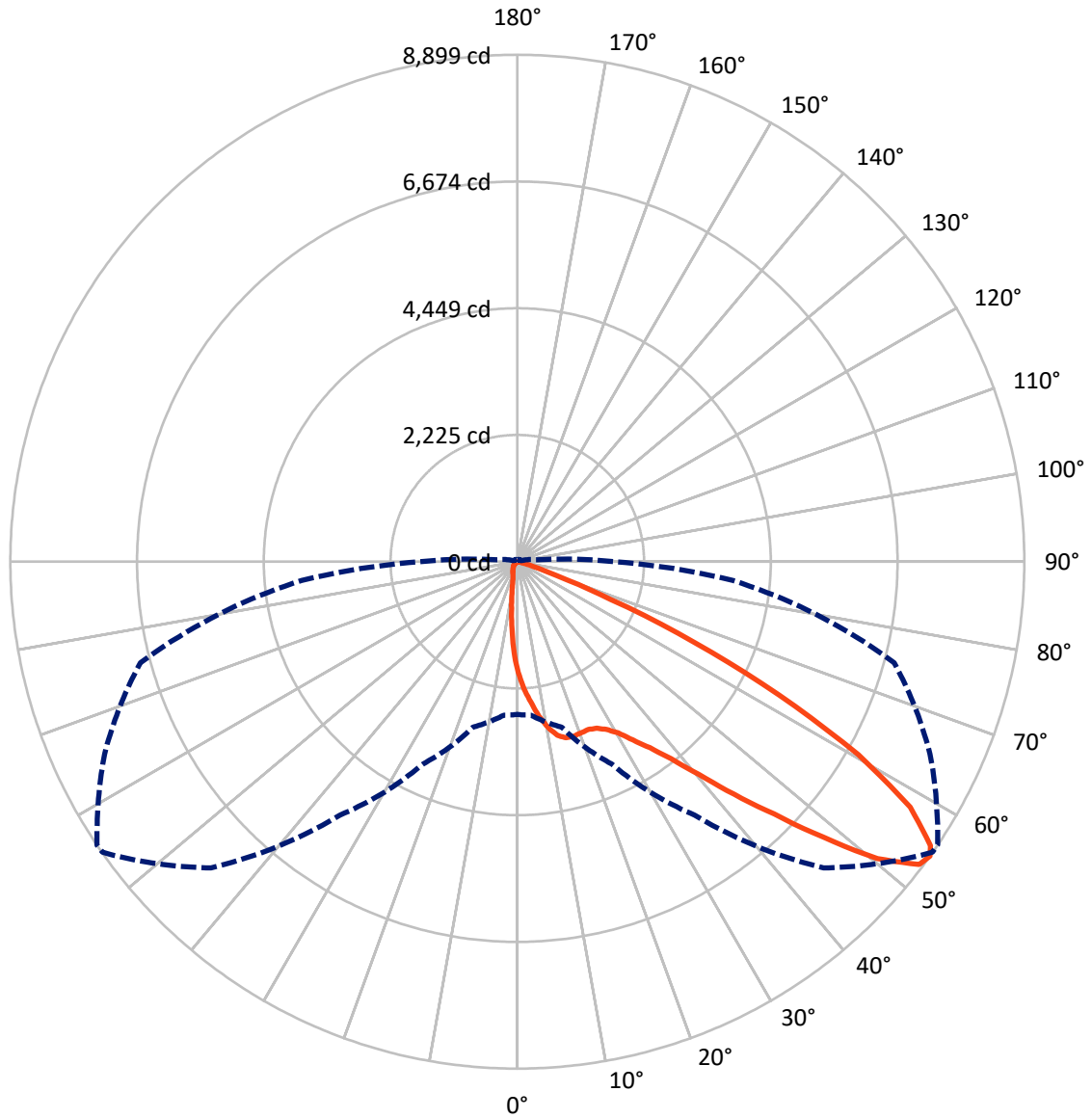
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	413.0	0.0	413.0
	% Fixture	4.7	0.0	4.7
Street Side	Lumens	8320.0	0.0	8320.0
	% Fixture	95.3	0.0	95.3
Total	Lumens	8733.0	0.0	8733.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.4	2.0
10°-20°	463.5	5.3
20°-30°	802.7	9.2
30°-40°	1385.6	15.9
40°-50°	2358.4	27.0
50°-60°	2333.9	26.7
60°-70°	1065.2	12.2
70°-80°	136.8	1.6
80°-90°	15.4	0.2
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°	8733.0	100.0
0°-180°	8733.0	100.0

Coefficient of Utilization



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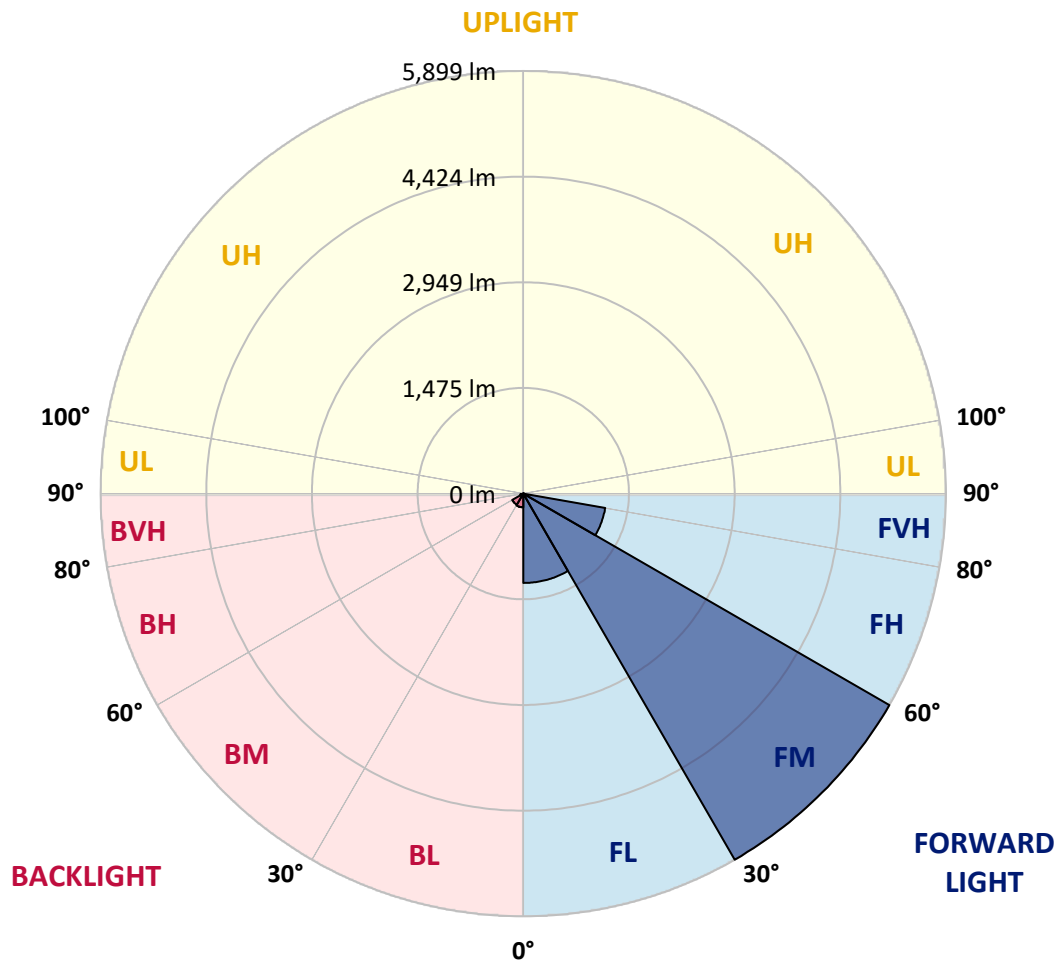
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1246.7	14.3			
FM (30°-60°)	5898.9	67.5			
FH (60°-80°)	1160.7	13.3			G1/1800
FVH (80°-90°)	13.8	0.2			G1/100
BL (0°-30°)	191.0	2.2	B1/500		
BM (30°-60°)	179.0	2.0	B0/220		
BH (60°-80°)	41.4	0.5	B0/110		G0/110
BVH (80°-90°)	1.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2
2.5°	2465.8	2448.7	2425.1	2406.9	2363.9	2302.0	2236.6	2236.6	2173.5	2085.8	1996.2
5°	2844.0	2832.9	2809.9	2762.7	2714.4	2627.8	2496.4	2473.4	2360.9	2201.8	2034.5
7.5°	2997.8	3003.1	3004.3	2991.9	2969.0	2883.5	2753.3	2737.4	2557.7	2344.4	2084.6
10°	2850.5	2876.5	2901.8	2953.0	3025.5	3046.1	2972.5	2956.0	2779.2	2488.8	2138.8
12.5°	2631.3	2645.5	2659.6	2740.3	2885.9	3052.6	3129.8	3129.2	2979.6	2632.5	2207.7
15°	2529.4	2541.8	2543.0	2578.9	2705.0	2947.7	3197.0	3205.8	3175.2	2809.9	2282.0
17.5°	2550.6	2560.6	2552.4	2561.2	2627.2	2832.3	3189.3	3218.8	3333.7	2980.2	2349.1
20°	2689.1	2708.5	2676.7	2652.0	2672.0	2801.6	3163.4	3204.6	3445.6	3146.3	2410.4
22.5°	2937.7	2948.3	2908.3	2840.5	2805.2	2865.8	3156.3	3197.0	3541.1	3282.4	2445.8
25°	3214.1	3210.5	3166.3	3090.3	3016.1	2995.5	3202.9	3239.4	3620.0	3405.0	2456.4
27.5°	3490.4	3501.0	3426.8	3332.5	3243.5	3189.9	3307.2	3334.3	3709.0	3544.6	2469.3
30°	3811.5	3794.4	3721.4	3613.5	3511.6	3436.8	3475.1	3482.7	3831.5	3729.6	2503.5
32.5°	4229.2	4182.1	4100.2	3911.7	3838.6	3711.9	3721.4	3730.8	3980.6	3912.8	2544.7
35°	4796.1	4793.7	4633.4	4379.5	4201.6	4044.2	4003.0	4010.7	4206.3	4185.1	2636.1
37.5°	5478.3	5487.8	5305.1	5049.4	4721.8	4472.0	4387.2	4388.3	4549.2	4561.0	2775.1
40°	6034.0	6058.7	5949.7	5777.1	5453.6	5063.0	4920.4	4907.4	5031.1	5016.4	2973.7
42.5°	6273.2	6296.1	6336.8	6396.9	6219.0	5896.7	5560.2	5577.9	5615.6	5512.5	3196.4
45°	6155.9	6192.4	6352.1	6723.3	6890.6	6782.2	6381.0	6319.1	6159.5	6051.6	3420.3
47.5°	5667.5	5756.4	6023.3	6641.4	7227.1	7593.6	7307.2	7225.3	6703.9	6445.2	3562.9
50°	4864.4	4869.7	5241.5	6031.6	7052.7	8105.6	8252.9	8191.6	7211.2	6666.2	3634.7
52.5°	3526.3	3642.4	3983.0	4898.0	6297.3	8027.8	8855.6	8830.3	7734.4	6779.3	3738.4
54°	2680.8	2703.2	3006.1	3914.0	5429.4	7600.6	8892.7	8898.6	7994.2	6847.6	3799.7
55°	2197.7	2144.1	2462.2	3334.3	4837.3	7223.0	8771.4	8799.6	8110.9	6883.0	3845.1
57.5°	1041.7	1042.3	1285.6	1758.7	3029.6	5608.6	8029.6	8129.7	8123.8	6943.7	3984.7
60°	527.3	530.9	584.5	811.9	1496.6	3728.4	6639.1	6877.7	7498.7	6952.5	4030.7
62.5°	368.8	364.7	355.9	390.6	629.9	1894.9	4942.8	5150.2	6371.0	6616.1	3884.6
65°	315.8	307.0	282.2	276.9	318.2	754.8	3078.5	3416.7	4864.4	5728.8	3468.6
67.5°	269.9	266.3	243.9	230.4	225.1	328.8	1588.5	1766.4	3324.8	4117.9	2627.2
70°	229.2	227.4	213.9	196.8	182.1	196.8	589.2	730.0	1853.0	2217.1	1239.7
72.5°	186.2	188.0	190.3	168.5	153.2	139.6	251.6	292.8	775.4	792.5	433.6
75°	163.2	161.4	161.4	146.7	127.9	103.7	138.5	149.1	237.4	220.4	100.8
77.5°	114.9	110.8	129.6	120.8	106.6	73.6	79.0	83.7	98.4	84.3	47.1
80°	79.5	79.5	83.1	108.4	96.0	53.6	48.3	51.8	58.3	50.1	27.1
82.5°	44.8	46.0	54.2	57.7	56.0	35.9	31.8	32.4	38.9	34.2	17.1
85°	5.3	8.8	31.2	30.6	23.0	15.9	17.7	18.3	24.2	21.2	10.0
87.5°	0.6	1.2	6.5	8.2	5.9	6.5	6.5	6.5	8.2	9.4	7.1
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°	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2	1940.2
2.5°	1947.9	1903.1	1796.5	1672.7	1593.8	1465.3	1356.9	1278.6	1259.1	1221.4	1232.6
5°	1945.5	1852.4	1635.0	1405.2	1160.1	977.5	841.4	734.1	687.0	655.8	634.0
7.5°	1946.7	1801.2	1452.4	1086.5	793.6	614.5	488.4	423.0	379.4	361.2	363.5
10°	1950.2	1743.4	1240.3	804.8	535.6	397.1	319.9	288.7	274.0	271.6	271.0
12.5°	1958.5	1680.4	1037.6	597.4	374.7	288.7	259.2	248.6	243.9	243.9	242.2
15°	1967.3	1610.9	869.1	444.3	288.7	248.1	234.5	229.2	226.3	226.3	225.7
17.5°	1967.3	1530.7	711.7	344.7	248.6	228.0	217.4	210.3	208.0	208.0	207.4
20°	1955.0	1437.6	572.1	277.5	225.7	209.2	198.6	190.9	188.0	186.8	186.2
22.5°	1911.9	1313.3	455.4	238.6	206.8	192.7	179.1	170.3	167.9	166.7	167.3
25°	1835.3	1173.1	360.6	209.8	189.7	172.6	160.9	154.4	152.0	152.0	152.6
27.5°	1756.4	1026.4	285.8	188.0	169.1	153.8	144.4	140.2	139.6	141.4	142.0
30°	1683.3	879.1	231.6	170.3	150.8	137.9	131.4	130.2	130.2	130.8	131.4
32.5°	1602.0	750.0	193.8	155.0	136.1	124.9	121.4	121.4	122.6	122.6	123.7
35°	1550.8	639.3	170.3	140.2	124.9	115.5	113.1	113.7	115.5	117.8	119.0
37.5°	1523.1	550.9	155.0	128.4	114.3	107.8	105.5	106.6	110.8	114.9	115.5
40°	1525.4	484.3	142.6	118.4	106.1	99.0	97.2	100.8	104.9	109.0	109.6
42.5°	1551.4	434.8	130.8	106.6	99.0	89.0	88.4	91.9	93.7	97.8	98.4
45°	1582.0	398.9	118.4	94.3	86.0	77.2	77.8	80.7	83.1	89.6	90.7
47.5°	1591.4	374.1	104.3	80.1	70.7	67.8	68.3	70.1	74.8	80.7	81.3
50°	1602.0	358.8	90.7	67.8	60.1	59.5	60.1	61.3	64.2	66.6	66.0
52.5°	1647.4	358.2	79.5	58.9	51.3	52.4	53.0	52.4	50.1	46.5	45.4
54°	1689.8	360.0	74.2	54.8	47.1	48.9	48.3	45.4	39.5	35.9	34.2
55°	1724.0	361.8	71.3	51.8	44.8	45.4	46.0	40.1	32.4	28.9	27.7
57.5°	1791.2	357.6	64.2	45.4	39.5	37.1	36.5	26.5	17.7	15.3	14.1
60°	1757.6	322.9	58.3	38.9	33.6	30.0	24.7	14.7	8.8	6.5	6.5
62.5°	1625.6	274.0	51.8	31.8	27.7	23.0	13.0	8.2	4.1	2.4	1.8
65°	1454.1	230.4	46.5	25.3	21.8	14.7	7.1	5.3	1.8	0.0	0.0
67.5°	1081.2	170.9	39.5	20.0	16.5	9.4	4.7	2.9	0.6	0.0	0.0
70°	500.8	104.3	33.6	15.3	11.8	7.1	3.5	1.8	0.0	0.0	0.0
72.5°	143.8	65.4	27.7	11.2	8.2	5.9	2.9	1.2	0.6	0.0	0.0
75°	50.1	52.4	20.6	8.2	6.5	4.1	2.4	1.2	0.6	0.0	0.0
77.5°	30.0	42.4	13.0	7.1	5.3	3.5	2.4	1.2	0.6	0.6	0.0
80°	17.1	28.3	8.2	5.9	4.7	2.9	1.8	1.2	0.6	0.6	0.0
82.5°	9.4	13.6	6.5	5.3	4.1	2.9	1.8	1.2	0.6	0.6	0.6
85°	7.7	7.1	5.3	4.7	3.5	2.4	1.8	0.6	0.0	0.0	0.0
87.5°	5.9	4.7	4.7	4.7	3.5	2.4	1.8	0.6	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)