

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: P653741

Luminaire Tested: **GLAN-SA2A-840-U-T4W-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P653741
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2A-840-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5595.2 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

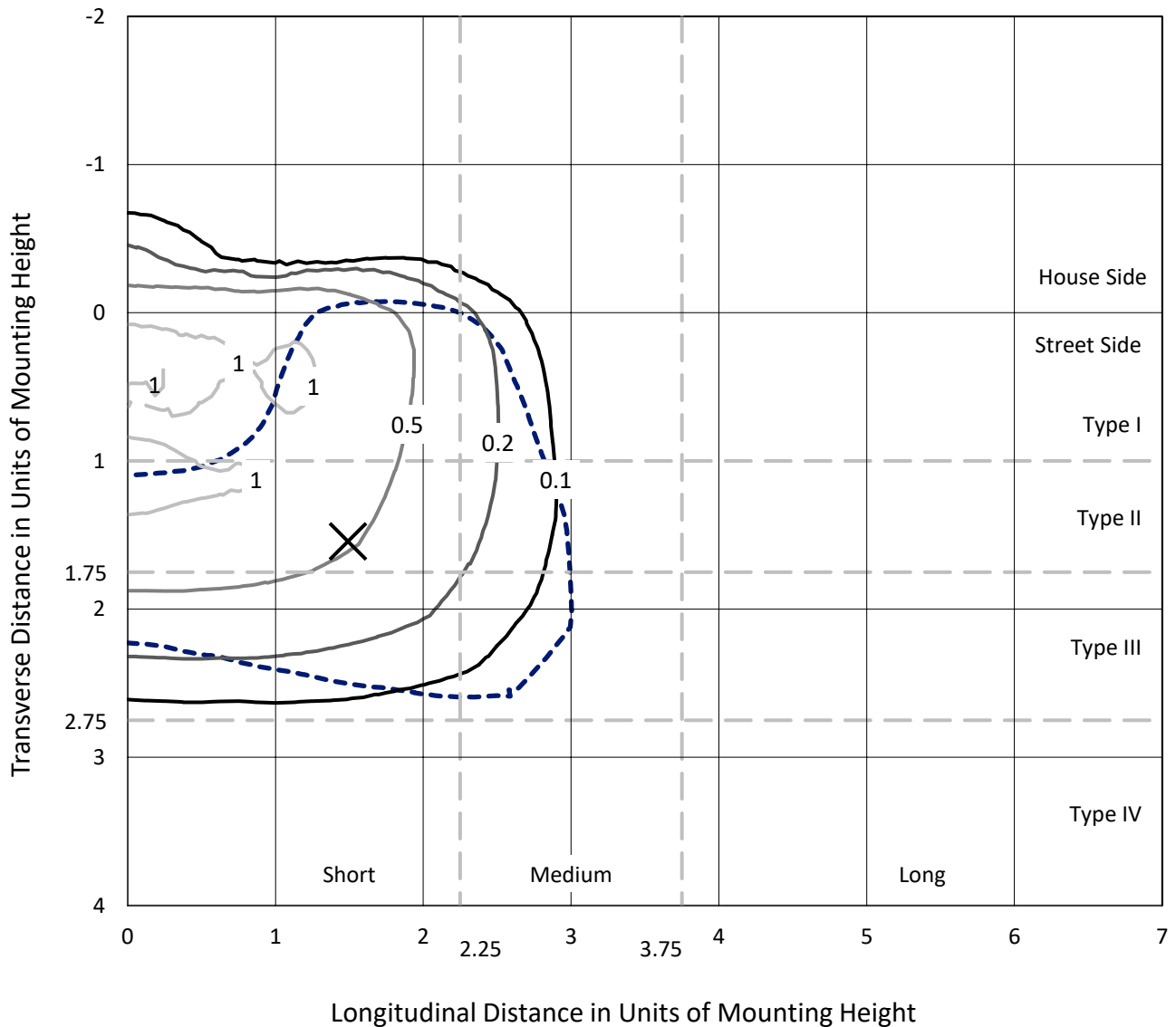
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P653741
 CATALOG NUMBER: GLAN-SA2A-840-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

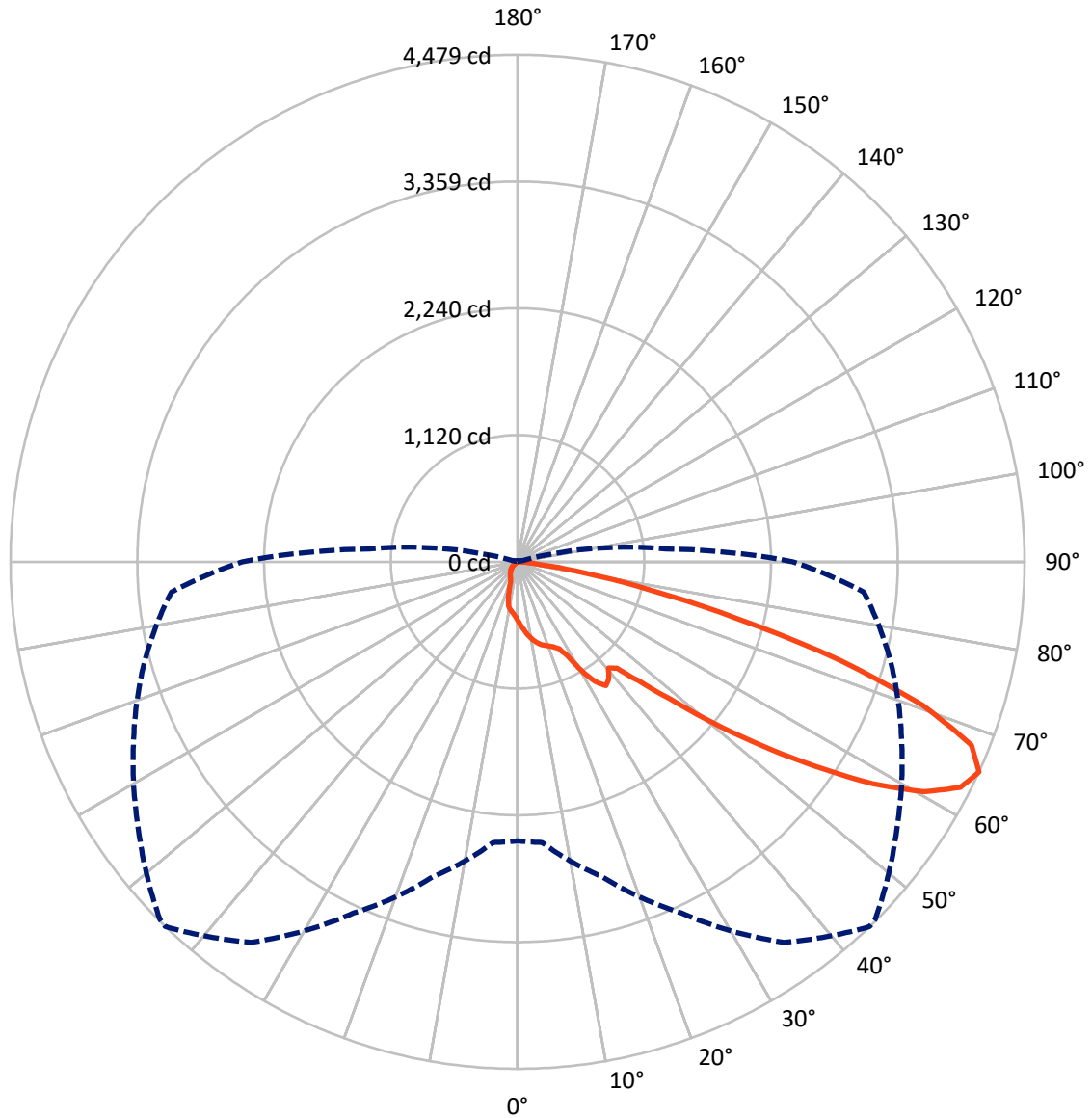
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Short - N/A

REPORT NUMBER: P653741
CATALOG NUMBER: GLAN-SA2A-840-U-T4W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 44-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P653741
 CATALOG NUMBER: GLAN-SA2A-840-U-T4W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	515.5	0.0	515.5
	% Fixture	9.2	0.0	9.2
Street Side	Lumens	5079.7	0.0	5079.7
	% Fixture	90.8	0.0	90.8
Total	Lumens	5595.2	0.0	5595.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.8	0.9
10°-20°	155.9	2.8
20°-30°	264.3	4.7
30°-40°	439.5	7.9
40°-50°	767.3	13.7
50°-60°	1499.1	26.8
60°-70°	1739.3	31.1
70°-80°	633.4	11.3
80°-90°	44.6	0.8
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°	5595.2	100.0
0°-180°	5595.2	100.0

Coefficient of Utilization

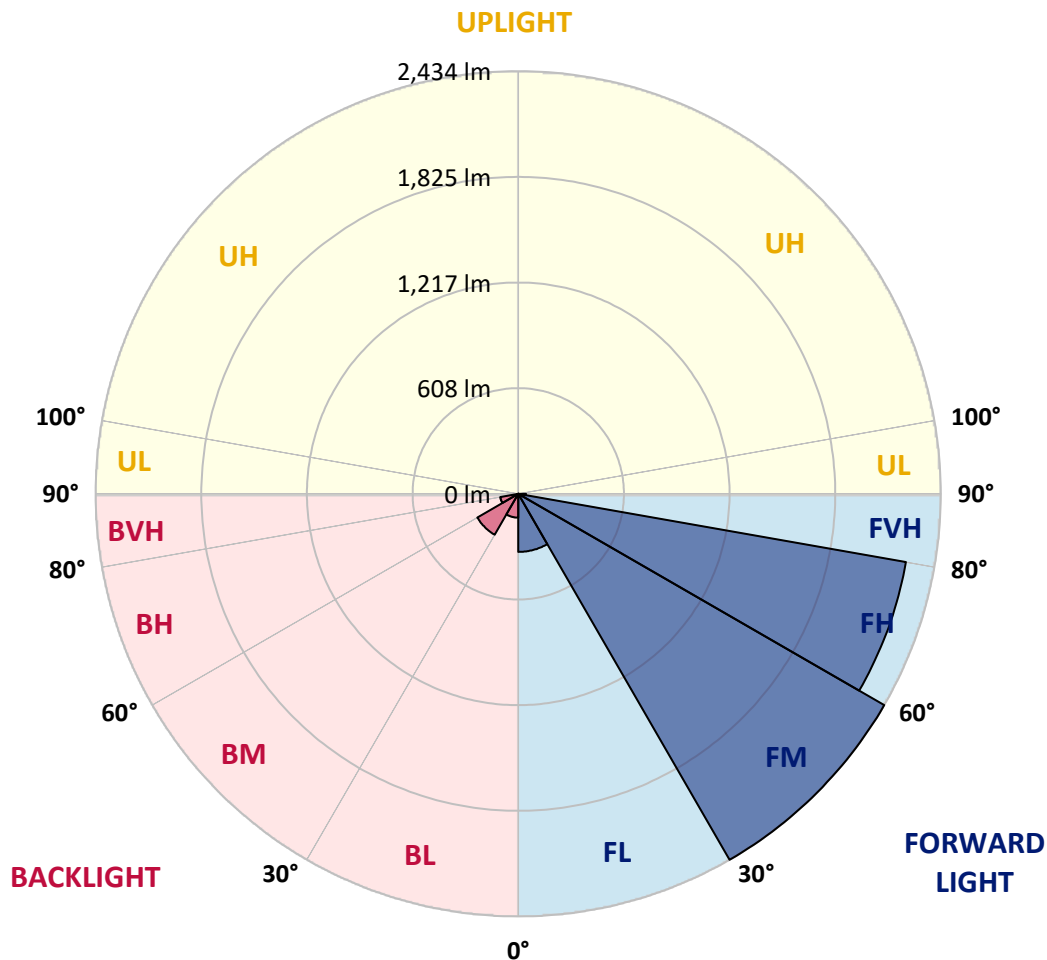


REPORT NUMBER: P653741
 CATALOG NUMBER: GLAN-SA2A-840-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	334.6	6.0			
FM (30°-60°)	2433.9	43.5			
FH (60°-80°)	2267.1	40.5			G2/5000
FVH (80°-90°)	44.0	0.8			G1/100
BL (0°-30°)	137.3	2.5	B1/500		
BM (30°-60°)	272.0	4.9	B1/1000		
BH (60°-80°)	105.6	1.9	B0/110		G0/110
BVH (80°-90°)	0.6	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-G2
 Type III Short





REPORT NUMBER: P653741

CATALOG NUMBER: GLAN-SA2A-840-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7
2.5°	586.2	583.6	582.3	575.5	570.4	563.9	563.9	555.8	546.4	536.1	526.7
5°	651.6	647.3	641.8	635.7	623.8	606.7	606.7	589.5	569.9	552.4	533.1
7.5°	714.4	710.6	701.1	689.6	669.9	652.0	650.7	626.0	602.4	575.9	548.5
10°	769.6	766.6	758.5	736.2	715.7	692.2	691.7	664.0	636.6	604.1	570.4
12.5°	808.0	808.5	797.8	776.4	749.9	727.6	726.0	698.6	669.9	634.9	593.4
15°	835.4	835.4	824.3	800.4	776.4	756.7	755.0	731.1	701.6	663.5	618.6
17.5°	843.1	845.7	833.7	812.3	793.1	776.0	775.6	755.5	731.9	695.2	644.3
20°	840.1	842.7	833.3	816.6	803.3	793.5	792.2	784.1	762.3	727.6	671.7
22.5°	833.7	836.3	829.4	819.6	813.2	816.2	814.0	820.9	809.3	767.4	704.2
25°	834.9	837.6	832.4	826.9	832.4	850.8	856.4	885.8	875.6	817.9	739.2
27.5°	875.1	880.3	873.0	875.6	895.2	938.1	948.7	999.6	954.3	882.0	793.9
30°	964.5	961.1	947.5	959.8	1028.2	1118.9	1115.8	1107.8	1036.8	956.0	858.9
32.5°	1045.8	1042.8	1041.9	1095.3	1219.4	1263.4	1261.2	1182.6	1110.7	1040.7	923.1
35°	1078.7	1067.1	1064.5	1194.1	1401.4	1343.3	1330.0	1213.4	1200.5	1133.0	988.5
37.5°	1177.9	1169.7	1130.0	1210.4	1328.8	1309.5	1299.3	1266.4	1296.3	1214.7	1062.4
40°	1382.3	1359.6	1323.6	1245.0	1225.8	1233.9	1244.2	1334.3	1409.6	1326.3	1161.2
42.5°	1636.2	1631.0	1564.3	1417.8	1273.6	1284.8	1298.0	1476.3	1572.5	1494.3	1322.4
45°	1941.0	1948.3	1852.1	1679.0	1490.0	1499.4	1518.6	1685.8	1793.1	1755.5	1575.9
47.5°	2218.1	2212.5	2180.0	2000.1	1825.6	1804.6	1835.8	1954.7	2098.4	2104.4	1890.6
50°	2496.8	2526.4	2478.0	2407.4	2277.9	2233.9	2222.3	2280.5	2499.4	2470.8	2268.5
52.5°	2897.4	2912.8	2822.2	2804.2	2833.7	2690.9	2679.4	2693.5	2889.3	2790.9	2551.6
55°	3149.3	3140.3	3106.5	3246.8	3363.5	3185.2	3170.7	3113.8	3213.0	3017.2	2823.9
57.5°	3228.8	3241.6	3320.3	3573.8	3850.0	3698.6	3672.1	3510.5	3446.4	3227.9	3074.4
60°	3193.3	3216.8	3386.5	3763.6	4146.7	4124.0	4101.4	3829.9	3614.0	3404.0	3250.1
62.5°	2940.6	2973.5	3245.0	3729.8	4247.2	4388.7	4360.5	4029.1	3725.5	3489.6	3280.9
65°	2464.4	2488.7	2878.7	3423.3	4104.4	4479.3	4469.1	4091.5	3743.1	3411.3	3070.2
67.5°	1756.8	1839.7	2201.0	2885.1	3682.0	4324.6	4342.1	4016.7	3578.5	3073.2	2542.6
70°	1104.3	1160.7	1419.9	2065.4	2951.7	3794.0	3851.7	3674.2	3105.6	2395.5	1702.0
72.5°	526.7	568.6	753.3	1307.4	2083.4	2985.0	3030.8	3016.3	2401.5	1509.2	878.2
75°	234.7	250.5	359.5	667.4	1345.0	2006.5	2124.9	2144.5	1500.7	738.4	341.6
77.5°	119.7	120.2	168.5	323.2	671.7	1197.1	1220.6	1289.4	813.6	325.4	118.8
80°	63.7	68.0	89.3	152.6	348.4	589.5	586.6	644.7	360.9	159.5	39.8
82.5°	28.7	31.6	50.5	80.0	170.1	223.6	241.1	263.8	154.7	101.8	17.5
85°	8.6	10.3	24.8	40.2	61.6	64.6	72.2	93.2	87.6	72.2	9.0
87.5°	1.3	1.3	10.3	11.1	9.0	11.5	11.9	13.3	28.3	26.5	4.7
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: P653741

CATALOG NUMBER: GLAN-SA2A-840-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7	520.7
2.5°	521.6	518.6	507.9	499.0	491.2	486.5	481.0	477.6	475.8	474.6	475.0
5°	523.8	516.5	498.1	483.6	472.4	460.4	452.4	447.7	445.5	442.1	442.1
7.5°	535.7	524.2	498.5	476.3	457.0	440.8	425.4	419.8	416.0	415.1	414.3
10°	552.8	538.2	503.3	472.4	445.1	422.9	401.1	381.8	366.8	357.8	356.6
12.5°	574.2	553.2	510.5	469.9	434.8	395.4	337.7	298.9	272.7	264.7	265.9
15°	593.8	571.2	517.7	467.8	416.0	327.9	262.5	218.1	204.8	203.5	203.9
17.5°	617.4	590.5	526.3	464.7	364.2	250.5	194.9	183.0	185.5	189.8	189.4
20°	641.8	611.0	536.6	446.7	290.7	188.6	172.3	173.6	177.5	181.2	182.2
22.5°	667.8	634.5	548.5	403.6	221.9	164.2	163.3	165.0	168.9	173.2	174.0
25°	703.7	664.0	557.5	347.2	168.0	151.8	153.5	156.5	159.9	164.6	165.4
27.5°	749.9	703.7	562.2	273.7	145.3	140.7	141.1	145.3	149.6	153.9	153.9
30°	809.8	751.2	552.8	207.0	134.2	129.9	128.3	130.9	136.4	140.7	141.1
32.5°	863.2	796.1	528.0	158.2	126.2	120.2	115.9	116.3	118.4	121.0	121.4
35°	916.6	839.7	485.7	133.0	117.6	110.8	104.3	100.9	99.2	97.9	99.2
37.5°	985.1	894.0	429.2	121.0	110.3	101.8	92.8	85.5	79.6	75.7	76.5
40°	1073.1	969.3	362.6	113.3	103.4	93.2	81.2	71.8	61.6	58.1	56.4
42.5°	1218.5	1083.4	292.4	106.9	96.6	84.2	69.3	56.4	47.0	43.6	44.5
45°	1448.1	1227.4	225.3	100.1	89.8	74.4	58.1	44.5	36.8	35.1	35.9
47.5°	1752.5	1413.9	173.6	92.3	81.2	63.7	45.8	35.1	30.4	29.9	29.5
50°	2038.9	1587.5	144.9	83.8	71.0	53.0	37.6	29.5	26.5	26.1	26.1
52.5°	2298.0	1711.9	118.0	73.9	59.9	43.6	31.6	26.1	23.5	22.2	22.2
55°	2528.5	1793.1	95.8	62.0	47.0	34.6	27.3	23.5	20.5	18.8	18.4
57.5°	2702.5	1802.9	71.8	49.6	35.1	26.9	23.5	20.5	17.1	15.0	14.1
60°	2776.9	1717.8	53.0	37.6	26.1	21.4	18.8	16.7	12.9	10.7	10.3
62.5°	2702.0	1552.4	39.4	28.7	20.1	15.8	13.3	12.4	9.0	6.4	6.0
65°	2434.0	1313.4	31.2	21.8	15.0	11.5	8.6	8.2	5.6	3.0	2.6
67.5°	1950.0	1028.6	24.8	16.2	10.7	7.7	5.6	5.1	3.0	0.8	0.8
70°	1268.1	657.6	20.1	11.9	6.8	5.1	3.4	2.6	1.7	0.4	0.0
72.5°	627.2	307.4	16.2	9.4	4.7	2.6	1.3	0.8	1.3	0.0	0.0
75°	243.3	109.4	11.9	6.4	2.6	1.3	0.8	0.0	0.4	0.0	0.0
77.5°	80.8	36.3	7.2	3.4	1.7	0.8	0.0	0.0	0.0	0.0	0.0
80°	29.9	14.1	3.9	2.1	0.8	0.4	0.0	0.0	0.0	0.0	0.0
82.5°	11.9	5.6	2.6	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.0	3.4	1.7	1.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.3	2.6	1.7	1.3	0.8	0.4	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)