

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: P527271

Luminaire Tested: **GLAN-SA2B-735-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2B-735-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6234 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

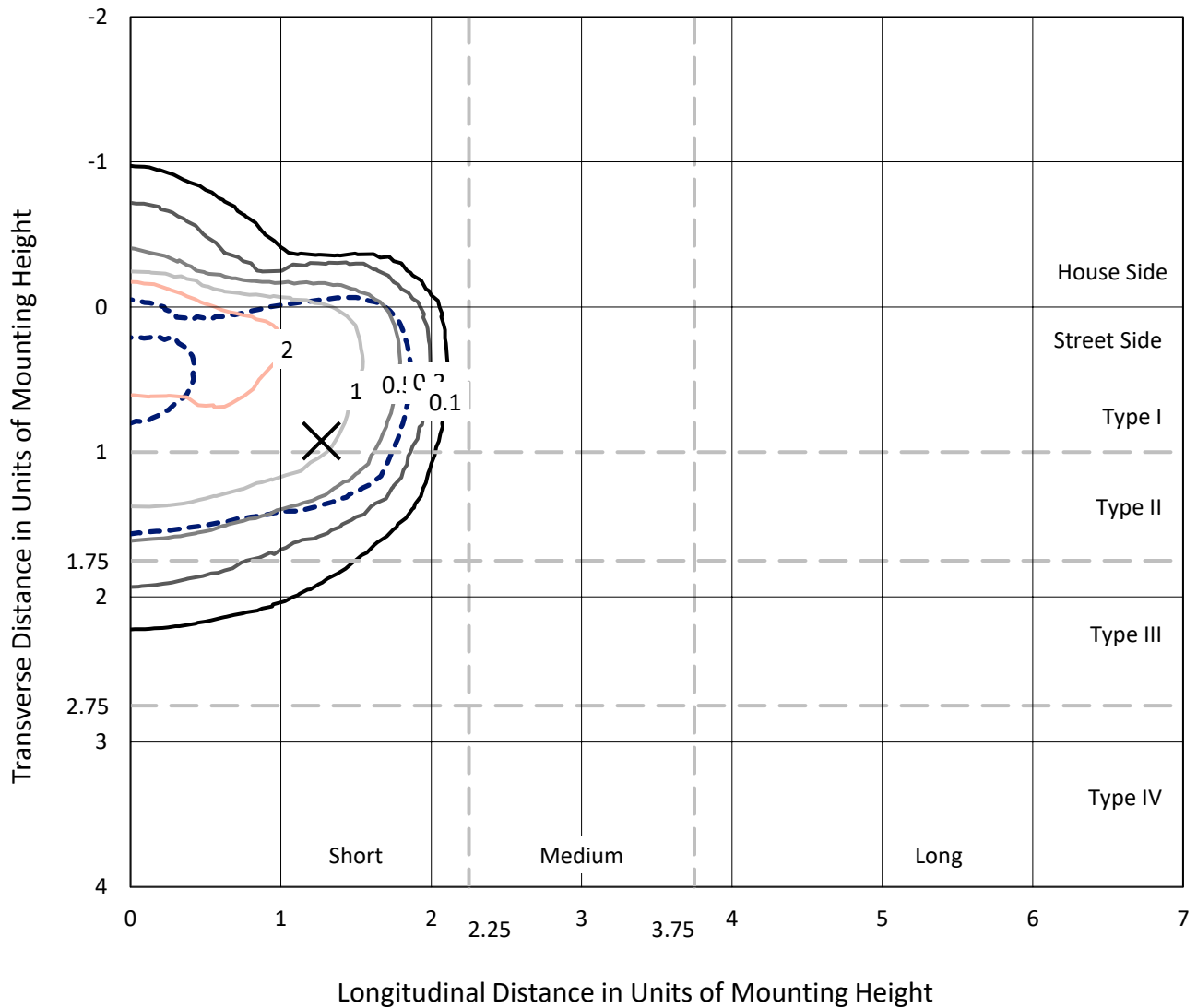
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527271
 CATALOG NUMBER: GLAN-SA2B-735-U-SL3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

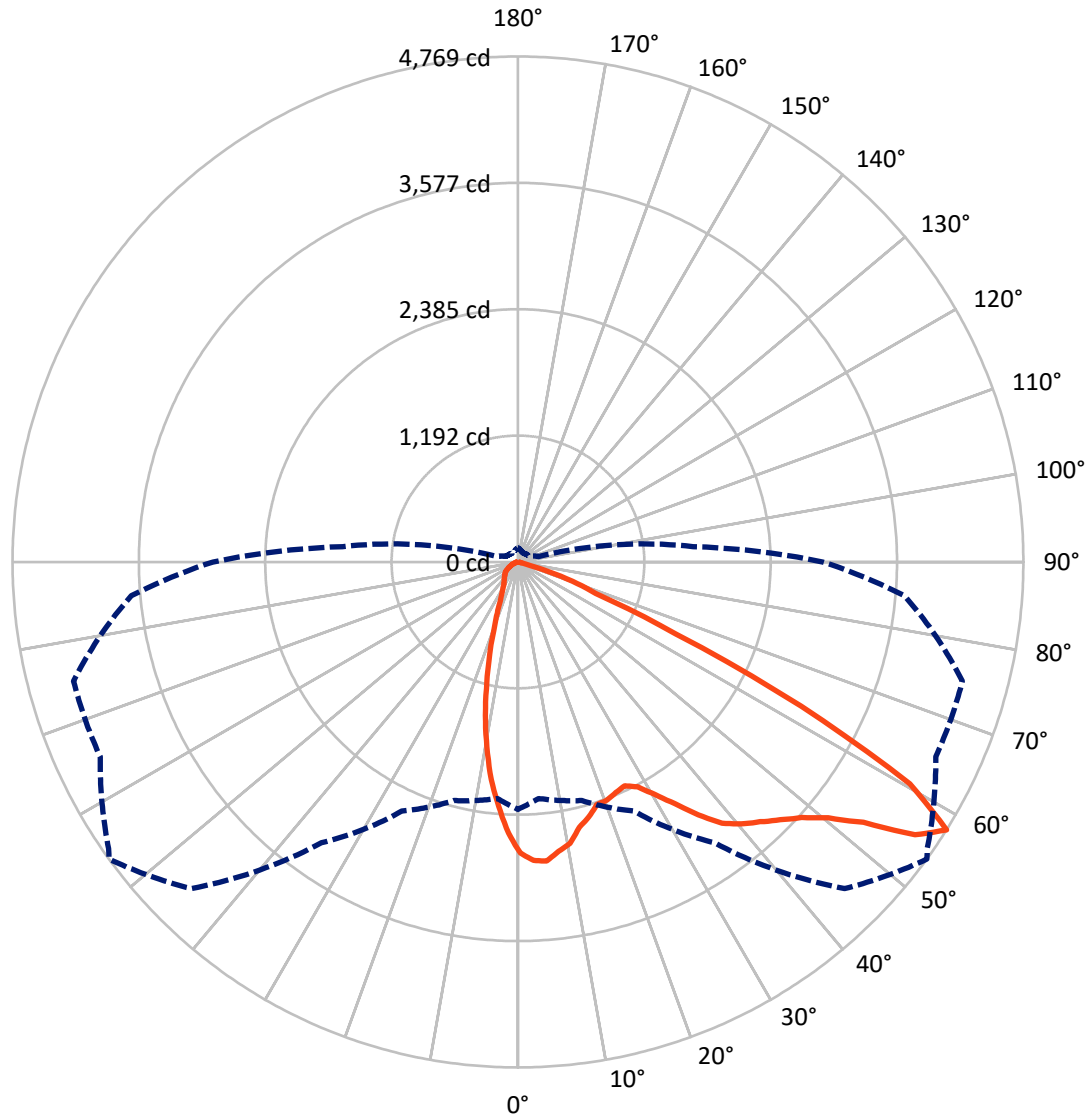
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type II - Short - N/A

REPORT NUMBER: P527271
CATALOG NUMBER: GLAN-SA2B-735-U-SL3-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P527271
 CATALOG NUMBER: GLAN-SA2B-735-U-SL3-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	881.0	0.0	881.0
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	5353.0	0.0	5353.0
	% Fixture	85.9	0.0	85.9
Total	Lumens	6234.0	0.0	6234.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.8	3.7
10°-20°	490.6	7.9
20°-30°	650.2	10.4
30°-40°	944.9	15.2
40°-50°	1401.1	22.5
50°-60°	1752.1	28.1
60°-70°	691.1	11.1
70°-80°	68.8	1.1
80°-90°	5.4	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°	6234.0	100.0
0°-180°	6234.0	100.0

Coefficient of Utilization



REPORT NUMBER: P527271

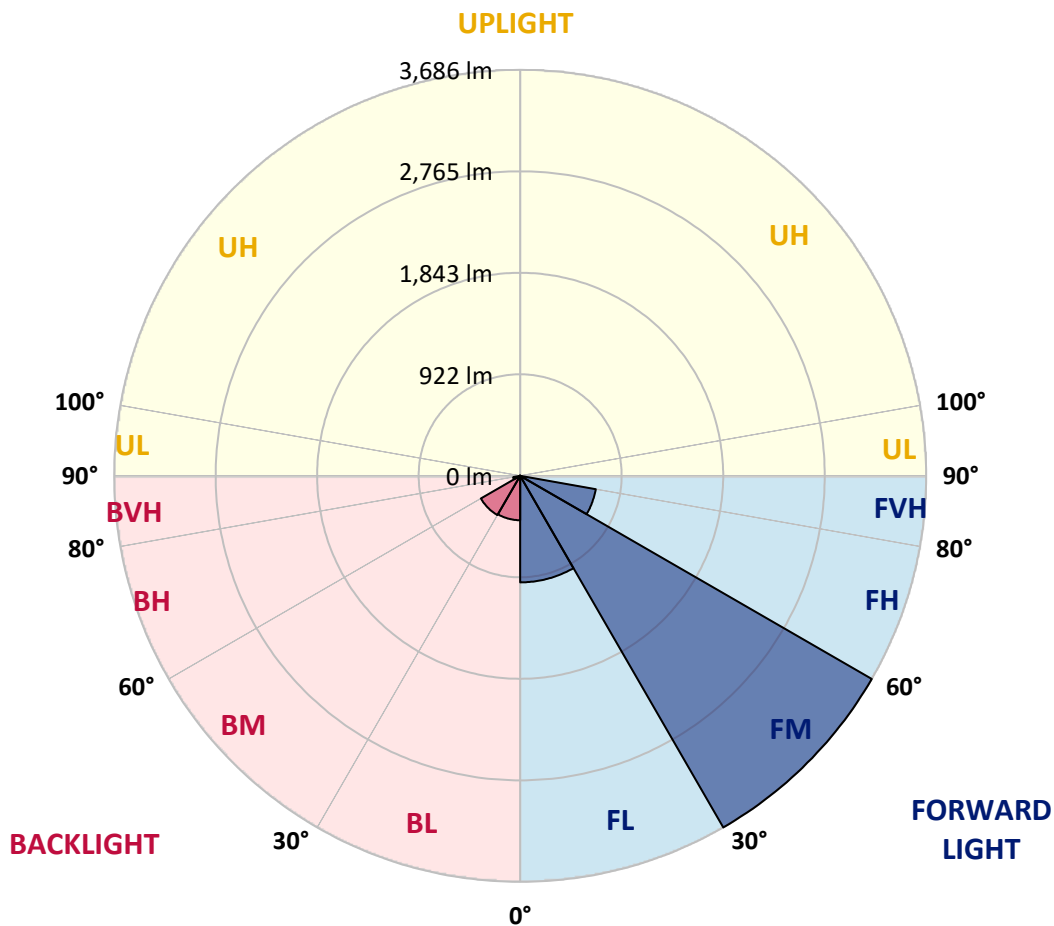
CATALOG NUMBER: GLAN-SA2B-735-U-SL3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	967.7	15.5			
FM (30°-60°)	3686.2	59.1			
FH (60°-80°)	696.7	11.2			G1/1800
FVH (80°-90°)	2.4	0.0			G0/10
BL (0°-30°)	402.9	6.5	B1/500		
BM (30°-60°)	412.0	6.6	B1/1000		
BH (60°-80°)	63.2	1.0	B0/110		G0/110
BVH (80°-90°)	2.9	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





REPORT NUMBER: P527271

CATALOG NUMBER: GLAN-SA2B-735-U-SL3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	2746.2	2746.2	2746.2	2746.2	2746.2	2746.2	2746.2	2746.2	2746.2	2746.2	2746.2
2.5°	2906.1	2876.0	2878.3	2867.9	2854.0	2864.4	2819.2	2829.6	2828.5	2767.0	2726.5
5°	2833.1	2865.6	2831.9	2859.8	2833.1	2862.1	2834.3	2813.4	2779.8	2734.6	2659.2
7.5°	2709.1	2677.8	2687.0	2721.8	2727.6	2792.5	2757.8	2784.4	2770.5	2681.2	2578.1
10°	2459.8	2452.9	2499.2	2545.6	2602.4	2672.0	2698.6	2683.6	2673.1	2639.5	2501.6
12.5°	2268.6	2288.3	2287.1	2363.6	2459.8	2499.2	2568.8	2566.5	2624.4	2561.8	2429.7
15°	2086.6	2097.0	2145.7	2193.2	2299.9	2412.3	2498.1	2509.7	2579.2	2535.2	2374.1
17.5°	1975.3	1960.2	1998.5	2055.3	2164.2	2311.5	2406.5	2434.3	2529.4	2520.1	2310.3
20°	1865.2	1865.2	1896.5	1963.7	2063.4	2229.2	2398.4	2390.3	2529.4	2502.7	2241.9
22.5°	1828.1	1846.6	1854.7	1905.7	2024.0	2166.6	2363.6	2378.7	2549.1	2494.6	2211.8
25°	1879.1	1854.7	1857.0	1897.6	2008.9	2136.4	2338.1	2371.7	2585.0	2535.2	2187.4
27.5°	1887.2	1911.5	1918.5	1946.3	2020.5	2145.7	2401.9	2470.3	2674.3	2630.2	2194.4
30°	1957.9	1982.2	1981.1	2028.6	2079.6	2221.0	2544.5	2558.4	2858.6	2749.6	2237.3
32.5°	2043.7	2069.2	2077.3	2132.9	2173.5	2359.0	2718.3	2754.3	3036.0	2937.4	2349.7
35°	2150.3	2141.1	2178.1	2233.8	2320.7	2560.7	2930.5	2990.8	3227.2	3180.9	2465.6
37.5°	2283.6	2272.0	2308.0	2398.4	2516.6	2799.5	3126.4	3165.8	3366.3	3406.9	2680.1
40°	2377.5	2382.2	2491.1	2612.9	2738.0	3026.7	3250.4	3288.7	3463.7	3617.9	2842.4
42.5°	2534.0	2563.0	2694.0	2842.4	2973.4	3197.1	3351.3	3388.4	3508.9	3787.1	3061.5
45°	2761.2	2748.5	2893.4	3059.1	3204.0	3374.5	3470.7	3457.9	3535.6	3955.2	3199.4
47.5°	3053.4	3055.7	3151.9	3293.3	3444.0	3528.6	3604.0	3558.8	3591.2	4132.6	3383.7
50°	3252.7	3270.1	3347.8	3492.7	3568.0	3697.9	3794.1	3766.3	3755.8	4239.2	3499.6
52.5°	3303.7	3355.9	3397.6	3578.5	3754.7	3959.9	4082.7	4141.8	3956.4	4275.2	3646.9
55°	2918.9	2965.3	3112.5	3360.5	3825.4	4374.8	4544.1	4545.2	4218.4	4435.1	3750.0
57.5°	2333.5	2239.6	2330.0	2593.1	3234.2	4357.5	4769.0	4714.5	4349.3	4341.2	3660.8
60°	1613.6	1590.4	1596.2	1700.6	2238.4	3466.0	4249.7	4320.4	4005.1	3762.8	2898.0
62.5°	1278.6	1258.9	1233.4	1221.8	1389.9	2159.6	2997.7	3097.4	2800.6	2440.1	1717.9
65°	1001.6	990.0	993.4	1039.8	1038.6	1225.3	1639.1	1598.5	1279.8	945.9	540.2
67.5°	675.8	693.2	707.1	847.4	919.3	853.2	791.7	768.6	416.2	175.0	119.4
70°	380.2	382.5	397.6	529.8	697.8	661.9	546.0	546.0	207.5	63.8	68.4
72.5°	207.5	200.5	186.6	228.4	310.7	315.3	243.4	212.1	61.4	41.7	38.3
75°	100.9	99.7	85.8	70.7	67.2	55.6	42.9	39.4	27.8	26.7	23.2
77.5°	20.9	19.7	10.4	10.4	11.6	12.8	16.2	16.2	19.7	19.7	16.2
80°	0.0	0.0	1.2	4.6	8.1	11.6	13.9	13.9	16.2	16.2	12.8
82.5°	0.0	0.0	1.2	3.5	7.0	10.4	12.8	13.9	16.2	17.4	13.9
85°	0.0	0.0	0.0	2.3	5.8	8.1	7.0	7.0	5.8	4.6	2.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P527271
 CATALOG NUMBER: GLAN-SA2B-735-U-SL3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2746.2	2746.2	2746.2	2746.2	2746.2	2746.2	2746.2	2746.2	2746.2	2746.2	2746.2
2.5°	2705.6	2703.3	2649.9	2619.8	2565.3	2517.8	2479.5	2451.7	2451.7	2434.3	2418.1
5°	2629.1	2609.4	2495.8	2422.7	2319.6	2243.1	2190.9	2150.3	2086.6	2104.0	2035.6
7.5°	2534.0	2484.2	2333.5	2222.2	2079.6	1970.7	1859.4	1760.8	1665.8	1622.9	1646.1
10°	2432.0	2345.1	2142.2	1966.0	1788.7	1589.3	1459.4	1301.8	1204.4	1198.6	1173.1
12.5°	2324.2	2225.7	1978.8	1735.3	1502.3	1262.4	1064.2	916.9	850.9	777.8	791.7
15°	2243.1	2097.0	1796.8	1503.5	1194.0	951.7	752.3	638.7	576.1	558.7	552.9
17.5°	2155.0	1998.5	1611.3	1256.6	936.6	685.1	541.3	486.9	462.5	462.5	459.0
20°	2063.4	1887.2	1427.0	1027.1	702.5	511.2	433.5	416.2	415.0	413.8	413.8
22.5°	2003.1	1759.7	1260.1	816.1	529.8	409.2	376.7	369.8	374.4	388.3	388.3
25°	1939.4	1636.8	1075.7	629.4	410.4	351.2	332.7	337.3	348.9	361.7	357.0
27.5°	1874.4	1556.8	901.9	493.8	336.2	307.2	300.2	310.7	323.4	335.0	331.5
30°	1859.4	1471.0	737.3	374.4	288.6	267.8	272.4	281.7	294.4	299.1	303.7
32.5°	1882.6	1403.8	603.9	307.2	251.5	245.8	245.8	250.4	258.5	268.9	265.5
35°	1948.6	1365.5	477.6	266.6	230.7	224.9	223.7	228.4	233.0	236.5	233.0
37.5°	2049.5	1335.4	390.7	236.5	216.8	207.5	205.2	204.0	208.7	209.8	212.1
40°	2178.1	1351.6	331.5	217.9	202.9	192.4	185.5	185.5	185.5	189.0	190.1
42.5°	2317.3	1373.7	286.3	207.5	190.1	177.4	170.4	168.1	170.4	175.0	173.9
45°	2463.3	1416.6	257.3	191.3	178.5	162.3	153.0	150.7	156.5	165.8	164.6
47.5°	2600.1	1478.0	235.3	180.8	166.9	151.9	140.3	137.9	148.4	161.1	162.3
50°	2736.9	1584.6	227.2	172.7	158.8	141.4	131.0	128.7	140.3	156.5	160.0
52.5°	2894.5	1699.4	221.4	162.3	149.5	133.3	121.7	119.4	132.1	153.0	154.2
55°	2997.7	1796.8	216.8	143.7	132.1	120.6	111.3	110.1	124.0	142.6	147.2
57.5°	2877.2	1661.1	200.5	125.2	112.4	106.6	98.5	98.5	110.1	127.5	131.0
60°	2181.6	1093.1	142.6	100.9	95.1	91.6	88.1	88.1	97.4	110.1	111.3
62.5°	1277.4	588.9	91.6	81.1	81.1	77.7	71.9	71.9	81.1	88.1	89.3
65°	379.1	189.0	74.2	69.6	68.4	62.6	56.8	55.6	62.6	66.1	64.9
67.5°	109.0	86.9	61.4	58.0	56.8	47.5	44.0	42.9	44.0	41.7	40.6
70°	64.9	59.1	47.5	48.7	42.9	34.8	31.3	30.1	27.8	24.3	22.0
72.5°	35.9	35.9	34.8	37.1	30.1	23.2	19.7	16.2	12.8	10.4	9.3
75°	22.0	23.2	24.3	25.5	19.7	15.1	12.8	8.1	4.6	2.3	2.3
77.5°	15.1	16.2	17.4	18.5	16.2	13.9	10.4	5.8	1.2	0.0	0.0
80°	11.6	12.8	15.1	16.2	17.4	18.5	13.9	5.8	1.2	0.0	0.0
82.5°	12.8	13.9	17.4	16.2	16.2	16.2	12.8	5.8	1.2	0.0	0.0
85°	2.3	3.5	5.8	5.8	8.1	10.4	8.1	2.3	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)