

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: P527219

Luminaire Tested: **GLAN-SA2B-727-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527219
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-727-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 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: 5596 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

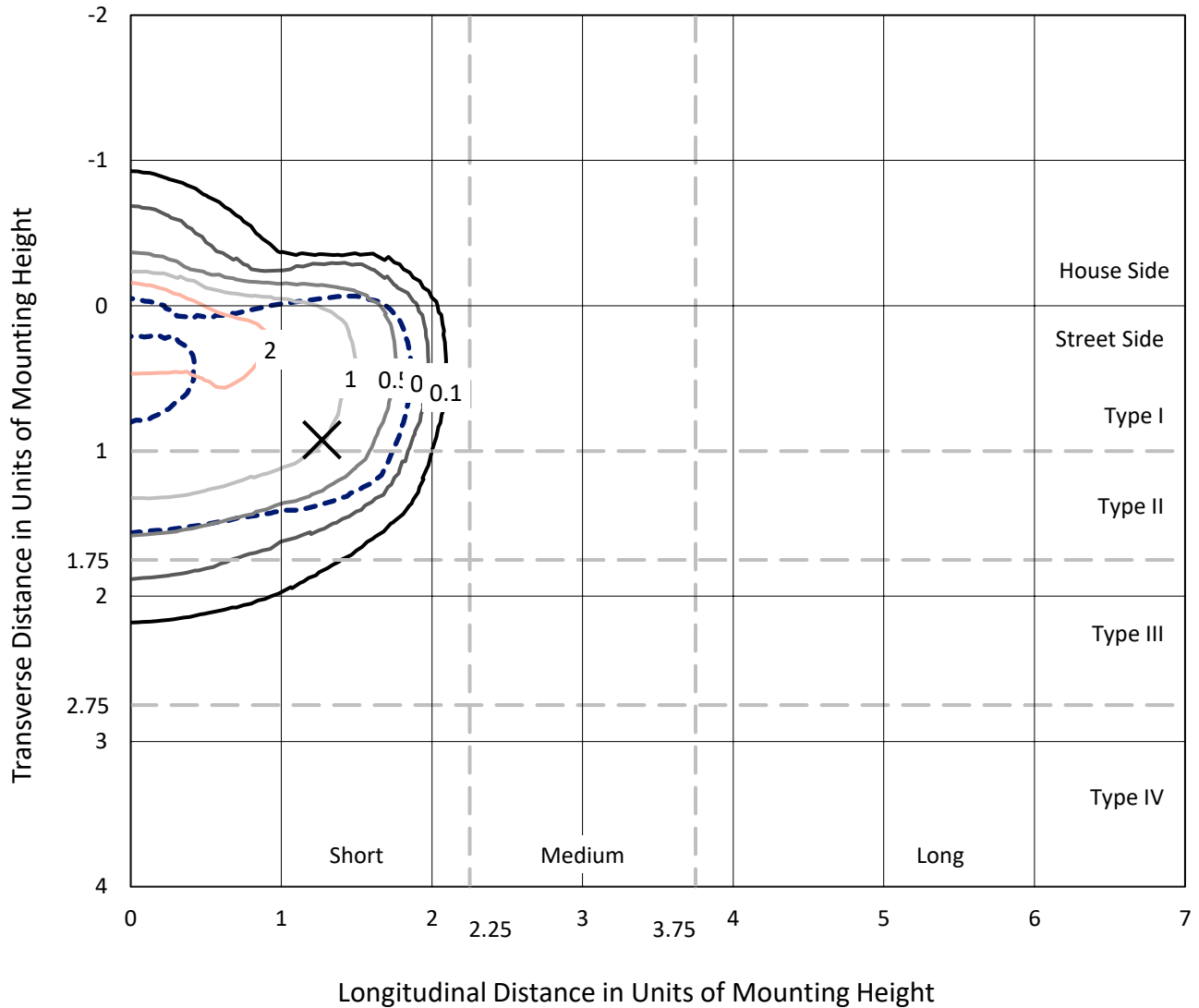
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

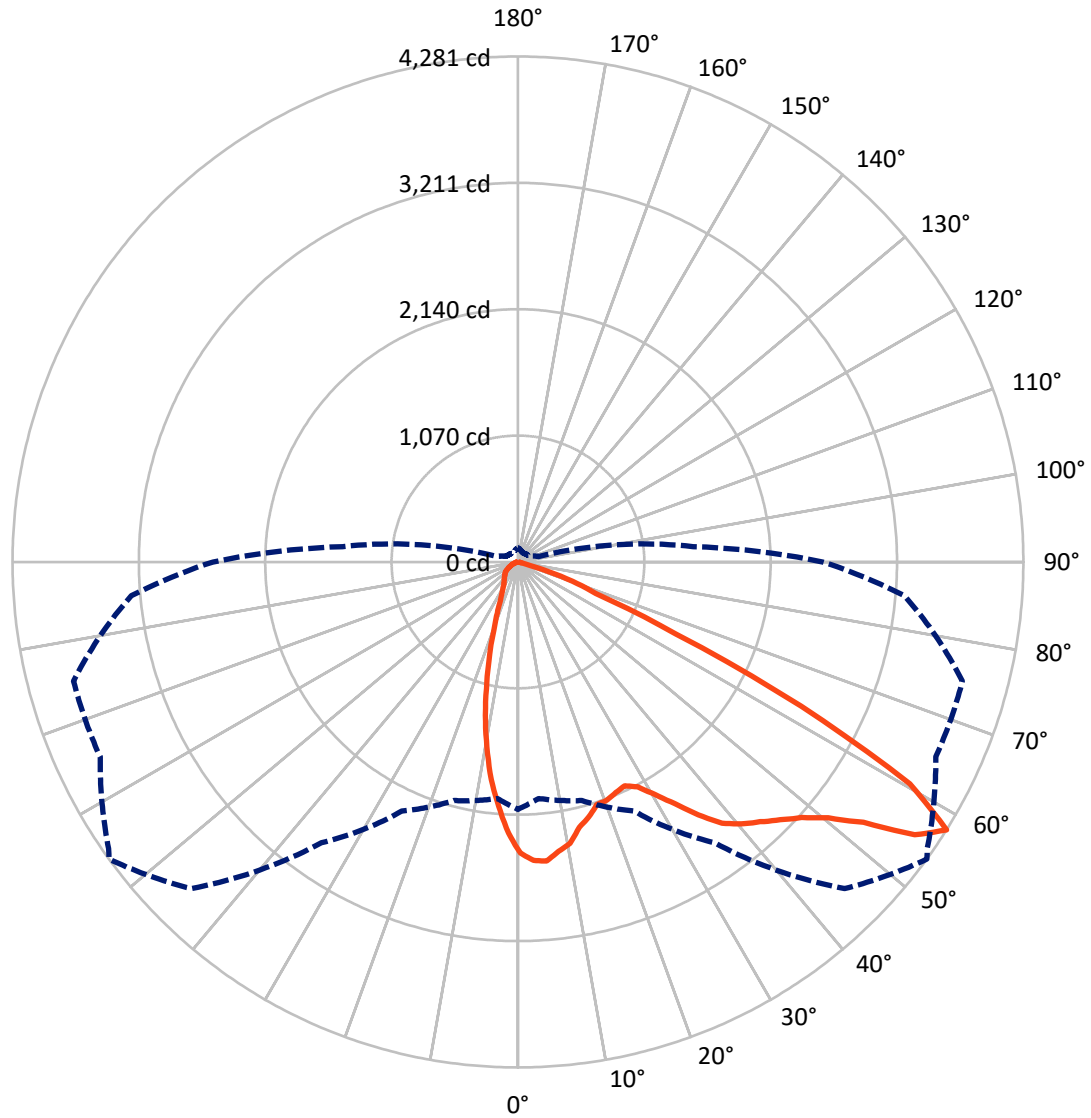
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	790.8	0.0	790.8
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	4805.2	0.0	4805.2
	% Fixture	85.9	0.0	85.9
Total	Lumens	5596.0	0.0	5596.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.3	3.7
10°-20°	440.4	7.9
20°-30°	583.6	10.4
30°-40°	848.2	15.2
40°-50°	1257.8	22.5
50°-60°	1572.8	28.1
60°-70°	620.4	11.1
70°-80°	61.8	1.1
80°-90°	4.8	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°	5596.0	100.0
0°-180°	5596.0	100.0

Coefficient of Utilization



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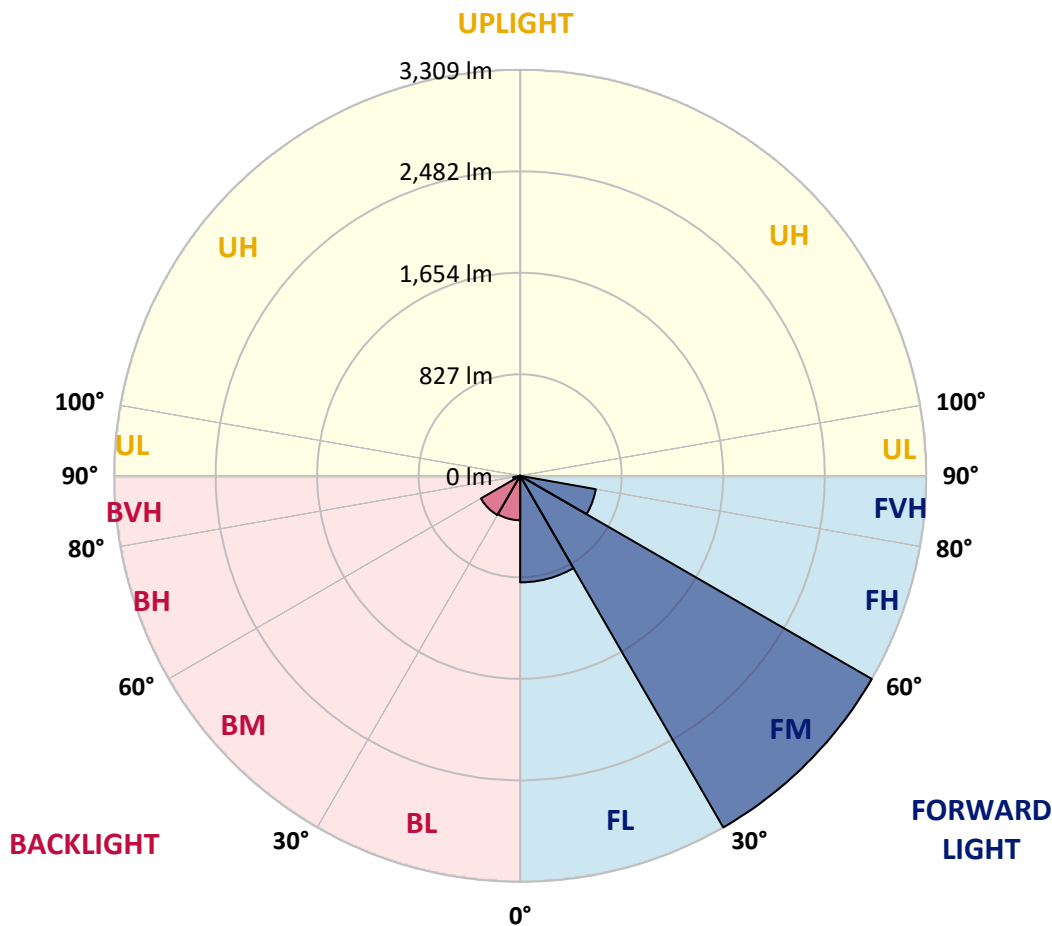
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	868.7	15.5			
FM (30°-60°)	3308.9	59.1			
FH (60°-80°)	625.5	11.2			G0/660
FVH (80°-90°)	2.2	0.0			G0/10
BL (0°-30°)	361.7	6.5	B1/500		
BM (30°-60°)	369.8	6.6	B1/1000		
BH (60°-80°)	56.7	1.0	B0/110		G0/110
BVH (80°-90°)	2.6	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-G0

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	2465.1	2465.1	2465.1	2465.1	2465.1	2465.1	2465.1	2465.1	2465.1	2465.1	2465.1
2.5°	2608.7	2581.7	2583.7	2574.4	2561.9	2571.3	2530.7	2540.0	2539.0	2483.8	2447.4
5°	2543.2	2572.3	2542.1	2567.1	2543.2	2569.2	2544.2	2525.5	2495.3	2454.7	2387.1
7.5°	2431.8	2403.7	2412.0	2443.3	2448.5	2506.7	2475.5	2499.5	2487.0	2406.8	2314.2
10°	2208.1	2201.8	2243.5	2285.1	2336.1	2398.5	2422.4	2408.9	2399.6	2369.4	2245.6
12.5°	2036.4	2054.1	2053.0	2121.7	2208.1	2243.5	2305.9	2303.8	2355.9	2299.7	2181.0
15°	1873.0	1882.4	1926.1	1968.8	2064.5	2165.4	2242.4	2252.8	2315.3	2275.7	2131.1
17.5°	1773.1	1759.6	1793.9	1844.9	1942.7	2074.9	2160.2	2185.2	2270.5	2262.2	2073.9
20°	1674.3	1674.3	1702.4	1762.7	1852.2	2001.0	2152.9	2145.7	2270.5	2246.6	2012.5
22.5°	1641.0	1657.6	1664.9	1710.7	1816.8	1944.8	2121.7	2135.3	2288.2	2239.3	1985.4
25°	1686.8	1664.9	1667.0	1703.4	1803.3	1917.8	2098.8	2129.0	2320.5	2275.7	1963.6
27.5°	1694.1	1715.9	1722.1	1747.1	1813.7	1926.1	2156.1	2217.5	2400.6	2361.1	1969.8
30°	1757.5	1779.4	1778.3	1821.0	1866.8	1993.7	2284.1	2296.5	2566.0	2468.2	2008.3
32.5°	1834.5	1857.4	1864.7	1914.7	1951.1	2117.6	2440.1	2472.4	2725.3	2636.8	2109.2
35°	1930.3	1921.9	1955.2	2005.2	2083.2	2298.6	2630.6	2684.7	2897.0	2855.3	2213.3
37.5°	2049.9	2039.5	2071.8	2152.9	2259.1	2513.0	2806.4	2841.8	3021.8	3058.2	2405.8
40°	2134.2	2138.4	2236.2	2345.4	2457.8	2716.9	2917.8	2952.1	3109.2	3247.6	2551.5
42.5°	2274.7	2300.7	2418.3	2551.5	2669.1	2869.9	3008.3	3041.6	3149.8	3399.5	2748.1
45°	2478.6	2467.2	2597.3	2746.1	2876.1	3029.1	3115.5	3104.0	3173.7	3550.4	2872.0
47.5°	2740.9	2742.9	2829.3	2956.3	3091.5	3167.5	3235.1	3194.6	3223.7	3709.6	3037.4
50°	2919.8	2935.5	3005.2	3135.2	3202.9	3319.4	3405.8	3380.8	3371.5	3805.4	3141.5
52.5°	2965.6	3012.5	3049.9	3212.2	3370.4	3554.6	3664.9	3718.0	3551.5	3837.6	3273.6
55°	2620.2	2661.8	2793.9	3016.6	3433.9	3927.1	4079.0	4080.1	3786.6	3981.2	3366.2
57.5°	2094.7	2010.4	2091.5	2327.8	2903.2	3911.5	4280.9	4232.0	3904.2	3896.9	3286.1
60°	1448.5	1427.7	1432.9	1526.5	2009.3	3111.3	3814.7	3878.2	3595.2	3377.7	2601.4
62.5°	1147.8	1130.1	1107.2	1096.8	1247.6	1938.6	2690.9	2780.4	2514.0	2190.4	1542.1
65°	899.1	888.6	891.8	933.4	932.4	1099.9	1471.4	1434.9	1148.8	849.1	484.9
67.5°	606.7	622.3	634.7	760.7	825.2	765.9	710.7	689.9	373.6	157.1	107.2
70°	341.3	343.4	356.9	475.5	626.4	594.2	490.1	490.1	186.3	57.2	61.4
72.5°	186.3	180.0	167.5	205.0	278.9	283.0	218.5	190.4	55.2	37.5	34.3
75°	90.5	89.5	77.0	63.5	60.4	49.9	38.5	35.4	25.0	23.9	20.8
77.5°	18.7	17.7	9.4	9.4	10.4	11.4	14.6	14.6	17.7	17.7	14.6
80°	0.0	0.0	1.0	4.2	7.3	10.4	12.5	12.5	14.6	14.6	11.4
82.5°	0.0	0.0	1.0	3.1	6.2	9.4	11.4	12.5	14.6	15.6	12.5
85°	0.0	0.0	0.0	2.1	5.2	7.3	6.2	6.2	5.2	4.2	2.1
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2465.1	2465.1	2465.1	2465.1	2465.1	2465.1	2465.1	2465.1	2465.1	2465.1	2465.1
2.5°	2428.7	2426.6	2378.7	2351.7	2302.8	2260.1	2225.8	2200.8	2200.8	2185.2	2170.6
5°	2360.0	2342.3	2240.3	2174.8	2082.2	2013.5	1966.7	1930.3	1873.0	1888.6	1827.2
7.5°	2274.7	2229.9	2094.7	1994.8	1866.8	1769.0	1669.1	1580.6	1495.3	1456.8	1477.6
10°	2183.1	2105.1	1923.0	1764.8	1605.6	1426.6	1310.1	1168.6	1081.2	1076.0	1053.1
12.5°	2086.3	1997.9	1776.3	1557.7	1348.6	1133.2	955.2	823.1	763.8	698.2	710.7
15°	2013.5	1882.4	1612.9	1349.6	1071.8	854.3	675.3	573.4	517.2	501.6	496.4
17.5°	1934.4	1793.9	1446.4	1128.0	840.8	615.0	485.9	437.0	415.2	415.2	412.1
20°	1852.2	1694.1	1280.9	921.9	630.6	458.9	389.2	373.6	372.5	371.5	371.5
22.5°	1798.1	1579.6	1131.1	732.6	475.5	367.3	338.2	331.9	336.1	348.6	348.6
25°	1740.9	1469.3	965.7	565.0	368.4	315.3	298.6	302.8	313.2	324.7	320.5
27.5°	1682.6	1397.5	809.6	443.3	301.8	275.8	269.5	278.9	290.3	300.7	297.6
30°	1669.1	1320.5	661.8	336.1	259.1	240.4	244.5	252.9	264.3	268.5	272.6
32.5°	1689.9	1260.1	542.1	275.8	225.8	220.6	220.6	224.8	232.0	241.4	238.3
35°	1749.2	1225.8	428.7	239.3	207.1	201.9	200.8	205.0	209.2	212.3	209.2
37.5°	1839.7	1198.7	350.7	212.3	194.6	186.3	184.2	183.1	187.3	188.3	190.4
40°	1955.2	1213.3	297.6	195.6	182.1	172.7	166.5	166.5	166.5	169.6	170.7
42.5°	2080.1	1233.1	257.0	186.3	170.7	159.2	153.0	150.9	153.0	157.1	156.1
45°	2211.2	1271.6	231.0	171.7	160.2	145.7	137.4	135.3	140.5	148.8	147.8
47.5°	2334.0	1326.7	211.2	162.3	149.8	136.3	125.9	123.8	133.2	144.6	145.7
50°	2456.8	1422.5	204.0	155.0	142.6	126.9	117.6	115.5	125.9	140.5	143.6
52.5°	2598.3	1525.5	198.7	145.7	134.2	119.7	109.3	107.2	118.6	137.4	138.4
55°	2690.9	1612.9	194.6	129.0	118.6	108.2	99.9	98.9	111.3	128.0	132.2
57.5°	2582.7	1491.1	180.0	112.4	100.9	95.7	88.4	88.4	98.9	114.5	117.6
60°	1958.4	981.3	128.0	90.5	85.3	82.2	79.1	79.1	87.4	98.9	99.9
62.5°	1146.7	528.6	82.2	72.8	72.8	69.7	64.5	64.5	72.8	79.1	80.1
65°	340.3	169.6	66.6	62.4	61.4	56.2	51.0	49.9	56.2	59.3	58.3
67.5°	97.8	78.0	55.2	52.0	51.0	42.7	39.5	38.5	39.5	37.5	36.4
70°	58.3	53.1	42.7	43.7	38.5	31.2	28.1	27.1	25.0	21.9	19.8
72.5°	32.3	32.3	31.2	33.3	27.1	20.8	17.7	14.6	11.4	9.4	8.3
75°	19.8	20.8	21.9	22.9	17.7	13.5	11.4	7.3	4.2	2.1	2.1
77.5°	13.5	14.6	15.6	16.6	14.6	12.5	9.4	5.2	1.0	0.0	0.0
80°	10.4	11.4	13.5	14.6	15.6	16.6	12.5	5.2	1.0	0.0	0.0
82.5°	11.4	12.5	15.6	14.6	14.6	14.6	11.4	5.2	1.0	0.0	0.0
85°	2.1	3.1	5.2	5.2	7.3	9.4	7.3	2.1	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)