

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: P527517

Luminaire Tested: **GLAN-SA2C-735-U-T3R-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527517
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-11)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2C-735-U-T3R-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8010 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G0

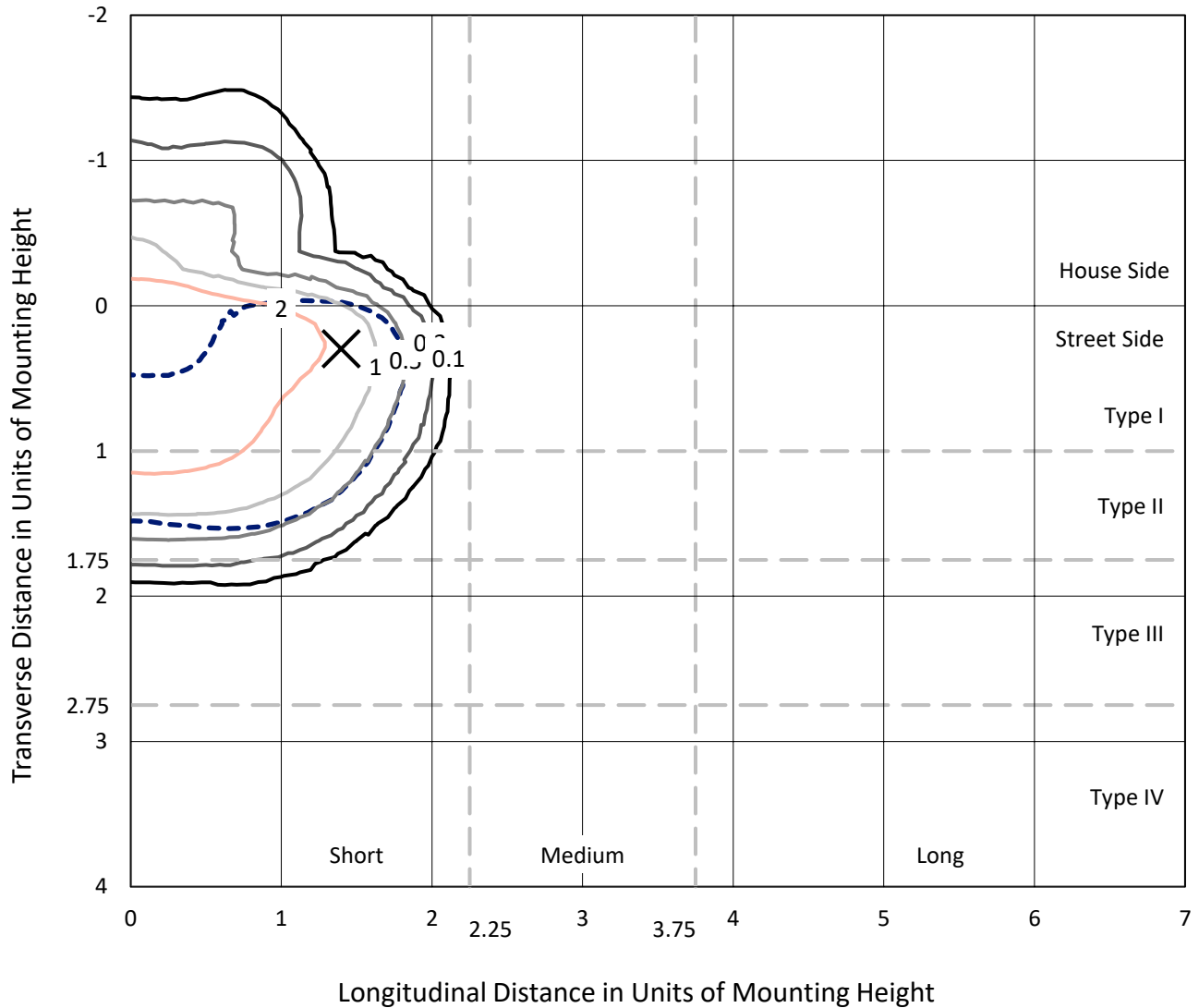
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

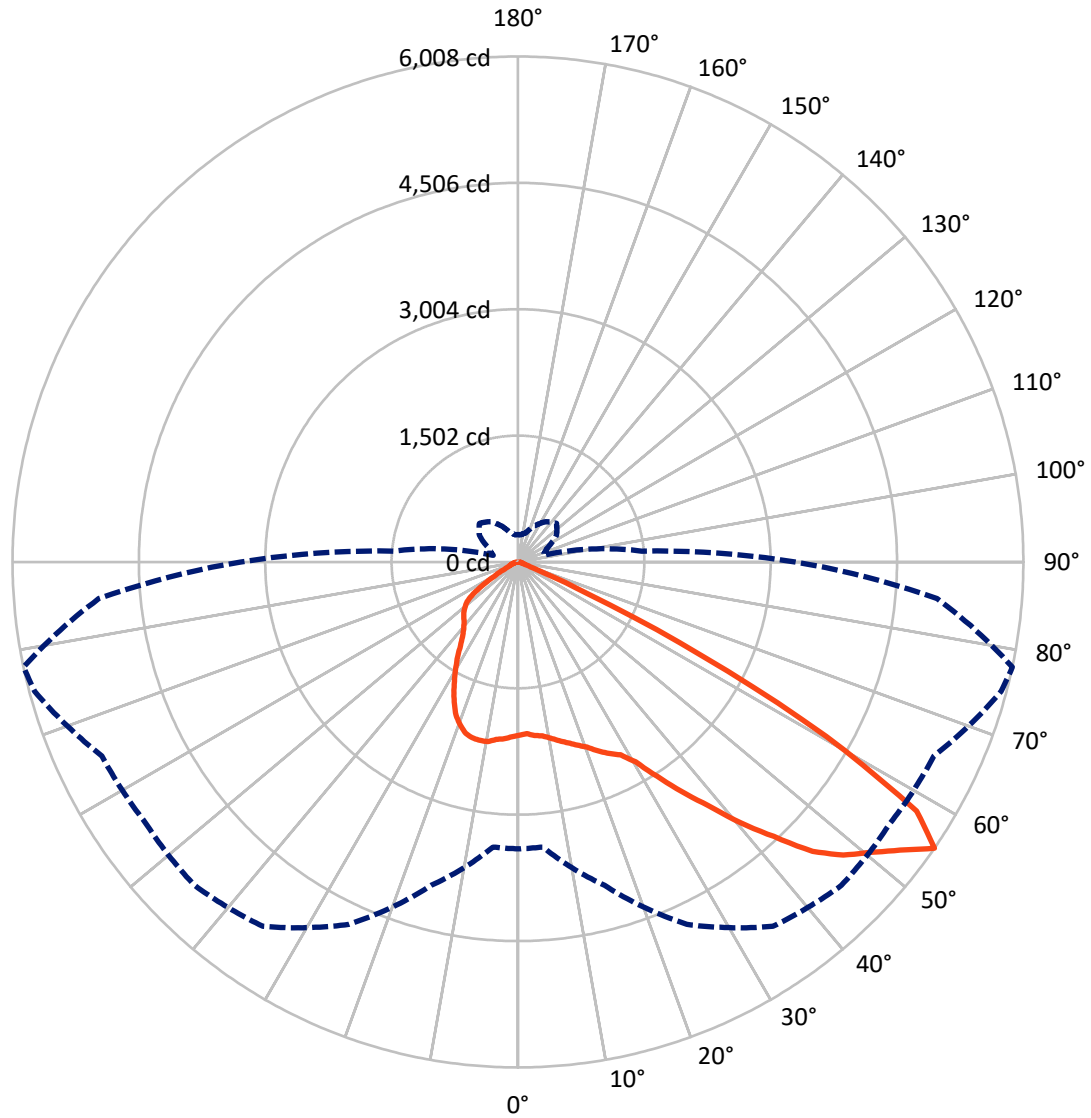
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1487.8	0.0	1487.8
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	6522.2	0.0	6522.2
	% Fixture	81.4	0.0	81.4
Total	Lumens	8010.0	0.0	8010.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.6	2.3
10°-20°	486.0	6.1
20°-30°	851.8	10.6
30°-40°	1404.6	17.5
40°-50°	2043.8	25.5
50°-60°	2315.9	28.9
60°-70°	662.1	8.3
70°-80°	51.4	0.6
80°-90°	10.7	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°	8010.0	100.0
0°-180°	8010.0	100.0

Coefficient of Utilization



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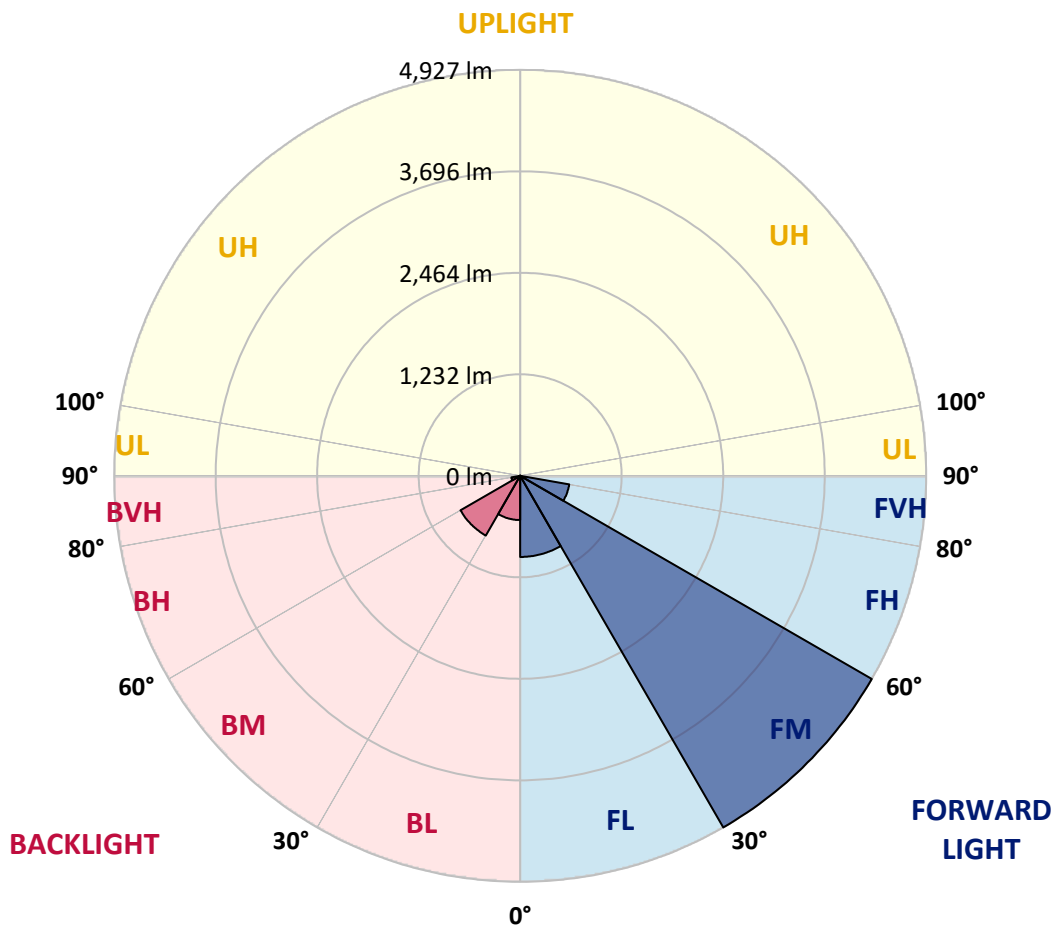
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	984.7	12.3			
FM (30°-60°)	4927.4	61.5			
FH (60°-80°)	605.0	7.6			G0/660
FVH (80°-90°)	5.2	0.1			G0/10
BL (0°-30°)	536.8	6.7	B2/1000		
BM (30°-60°)	836.9	10.4	B1/1000		
BH (60°-80°)	108.6	1.4	B0/110		G0/110
BVH (80°-90°)	5.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	2059.4	2059.4	2059.4	2059.4	2059.4	2059.4	2059.4	2059.4	2059.4	2059.4	2059.4
2.5°	1936.2	1954.8	1957.7	1980.6	1979.2	2017.8	2029.3	2030.7	2056.5	2043.6	2076.6
5°	1881.8	1871.8	1867.5	1907.6	1919.0	1953.4	1982.0	1999.2	2052.2	2070.8	2105.2
7.5°	1833.1	1833.1	1836.0	1871.8	1867.5	1911.9	1941.9	1994.9	2072.3	2088.0	2129.5
10°	1785.8	1768.7	1790.1	1827.4	1858.9	1878.9	1941.9	1992.1	2082.3	2128.1	2185.4
12.5°	1761.5	1770.1	1773.0	1800.2	1834.5	1894.7	1929.1	2012.1	2153.9	2181.1	2242.7
15°	1914.7	1897.5	1856.0	1831.7	1860.3	1889.0	1974.9	2059.4	2191.1	2229.8	2298.5
17.5°	2092.3	2078.0	2043.6	1977.7	1913.3	1966.3	2033.6	2110.9	2231.2	2288.5	2390.2
20°	2324.3	2301.4	2267.0	2138.1	2082.3	2025.0	2096.6	2188.3	2297.1	2348.7	2453.2
22.5°	2600.7	2600.7	2523.4	2367.3	2251.3	2196.9	2226.9	2279.9	2370.1	2440.3	2543.4
25°	2888.6	2880.0	2809.8	2648.0	2451.8	2387.3	2421.7	2458.9	2483.3	2521.9	2590.7
27.5°	3218.0	3167.8	3079.0	2900.0	2726.7	2602.1	2639.4	2606.4	2576.4	2596.4	2695.2
30°	3441.4	3472.9	3359.7	3187.9	3024.6	2885.7	2892.9	2864.2	2726.7	2755.4	2814.1
32.5°	3673.4	3693.4	3630.4	3535.9	3372.6	3210.8	3152.1	3127.7	3024.6	3037.5	2980.2
35°	3866.7	3905.4	3849.5	3808.0	3760.7	3630.4	3468.6	3547.3	3381.2	3349.7	3200.8
37.5°	4044.3	4032.8	4098.7	4055.7	4045.7	3954.1	3776.5	3792.2	3680.5	3673.4	3501.5
40°	4203.2	4206.1	4296.3	4316.4	4276.3	4113.0	3855.2	3979.8	4070.1	4078.7	3858.1
42.5°	4335.0	4373.7	4451.0	4612.8	4552.7	4280.6	3936.9	4072.9	4408.0	4461.0	4196.1
45°	4449.6	4528.3	4624.3	4768.9	4734.6	4518.3	4140.2	4264.8	4768.9	4907.8	4514.0
47.5°	4456.7	4559.8	4664.4	4879.2	4922.2	4645.8	4350.8	4568.4	5055.4	5205.7	4746.0
50°	4428.1	4482.5	4691.6	4925.0	5022.4	4853.4	4645.8	4823.4	5333.2	5427.7	4863.4
52.5°	4088.7	4130.2	4549.8	4968.0	5202.9	5088.3	5036.7	5178.5	5616.7	5686.9	4973.7
55°	3408.4	3401.3	3978.4	4751.7	5285.9	5436.3	5404.8	5454.9	5944.7	6007.7	5000.9
57.5°	2331.5	2461.8	2960.2	3956.9	4777.5	5354.7	5387.6	5304.5	5562.3	5586.7	4359.3
60°	1257.4	1311.8	1712.8	2640.8	3637.6	4363.6	4449.6	4299.2	4279.1	4210.4	3112.0
62.5°	499.8	527.0	754.7	1307.5	1982.0	2652.3	2837.0	2775.4	2643.7	2463.2	1611.1
65°	237.7	254.9	375.2	611.5	879.3	1105.6	1290.3	1347.6	993.9	895.1	531.3
67.5°	161.8	174.7	273.5	349.4	313.6	328.0	426.8	396.7	233.4	199.1	147.5
70°	123.2	131.8	219.1	237.7	140.3	98.8	110.3	103.1	96.0	97.4	96.0
72.5°	87.4	94.5	160.4	140.3	61.6	45.8	58.7	70.2	70.2	70.2	68.7
75°	53.0	60.1	93.1	54.4	24.3	24.3	37.2	47.3	50.1	51.6	48.7
77.5°	27.2	34.4	31.5	15.8	15.8	18.6	27.2	32.9	35.8	35.8	34.4
80°	5.7	5.7	5.7	8.6	15.8	20.0	27.2	30.1	34.4	34.4	31.5
82.5°	0.0	1.4	4.3	8.6	14.3	18.6	25.8	30.1	34.4	35.8	32.9
85°	0.0	1.4	2.9	5.7	10.0	11.5	10.0	8.6	8.6	8.6	8.6
87.5°	0.0	0.0	1.4	1.4	1.4	2.9	2.9	2.9	2.9	2.9	2.9
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°	2059.4	2059.4	2059.4	2059.4	2059.4	2059.4	2059.4	2059.4	2059.4	2059.4	2059.4
2.5°	2079.4	2083.7	2076.6	2075.1	2069.4	2086.6	2045.1	2035.0	2060.8	2036.5	2042.2
5°	2106.6	2116.7	2103.8	2082.3	2050.8	2002.1	1960.6	1906.1	1880.4	1861.7	1858.9
7.5°	2126.7	2133.8	2121.0	2052.2	1957.7	1834.5	1742.9	1675.6	1622.6	1606.8	1581.1
10°	2208.3	2209.7	2145.3	1993.5	1808.8	1646.9	1506.6	1403.5	1350.5	1317.5	1303.2
12.5°	2262.7	2259.9	2129.5	1877.5	1631.2	1416.4	1256.0	1131.4	1082.7	1066.9	1056.9
15°	2331.5	2315.7	2092.3	1758.6	1402.0	1170.0	1025.4	939.5	935.2	925.1	935.2
17.5°	2385.9	2341.5	2037.9	1542.4	1182.9	963.8	869.3	875.0	886.5	896.5	897.9
20°	2474.7	2383.0	1913.3	1353.3	979.6	826.3	824.9	850.7	879.3	890.8	902.2
22.5°	2542.0	2400.2	1780.1	1151.4	813.4	770.5	794.8	833.5	855.0	866.4	883.6
25°	2566.3	2353.0	1602.5	949.5	733.2	744.7	781.9	807.7	834.9	847.8	840.6
27.5°	2590.7	2328.6	1390.6	781.9	690.3	727.5	759.0	784.8	793.4	810.6	822.0
30°	2649.4	2244.1	1200.1	676.0	668.8	716.1	739.0	747.6	770.5	780.5	780.5
32.5°	2696.7	2211.2	998.2	625.8	665.9	721.8	724.6	724.6	727.5	720.4	717.5
35°	2794.0	2098.0	817.7	595.8	664.5	723.2	730.4	706.0	640.2	614.4	607.2
37.5°	2914.3	2025.0	684.5	588.6	674.5	740.4	751.9	660.2	574.3	532.7	525.6
40°	3060.4	1973.4	597.2	585.7	697.4	780.5	746.1	624.4	512.7	452.5	449.7
42.5°	3230.8	1926.2	538.5	584.3	726.1	822.0	740.4	594.3	449.7	409.6	415.3
45°	3366.9	1900.4	498.4	574.3	736.1	846.4	744.7	541.3	423.9	398.1	401.0
47.5°	3472.9	1846.0	465.4	557.1	734.7	855.0	706.0	519.9	411.0	418.2	425.3
50°	3475.7	1773.0	423.9	519.9	713.2	839.2	661.6	499.8	408.2	438.2	452.5
52.5°	3437.1	1669.8	379.5	466.9	663.1	784.8	621.5	491.2	395.3	392.4	409.6
55°	3299.6	1476.5	305.0	378.1	560.0	647.3	585.7	475.5	356.6	323.7	326.5
57.5°	2666.6	1058.3	224.8	270.7	396.7	474.0	528.4	468.3	320.8	275.0	276.4
60°	1651.2	600.1	164.7	184.7	244.9	287.9	428.2	435.4	286.4	232.0	229.1
62.5°	847.8	296.4	127.5	130.3	150.4	169.0	293.6	365.2	259.2	220.5	220.5
65°	283.6	146.1	111.7	100.2	100.2	104.5	177.6	253.5	219.1	184.7	184.7
67.5°	121.7	108.8	97.4	87.4	80.2	75.9	100.2	147.5	163.3	140.3	134.6
70°	94.5	91.7	84.5	73.0	63.0	57.3	58.7	75.9	93.1	90.2	87.4
72.5°	70.2	70.2	67.3	57.3	48.7	41.5	38.7	40.1	44.4	45.8	47.3
75°	48.7	50.1	50.1	44.4	35.8	30.1	25.8	21.5	17.2	14.3	12.9
77.5°	32.9	34.4	37.2	32.9	27.2	20.0	15.8	11.5	7.2	2.9	2.9
80°	28.6	32.9	35.8	32.9	28.6	21.5	15.8	8.6	4.3	0.0	0.0
82.5°	30.1	32.9	37.2	31.5	27.2	20.0	15.8	10.0	4.3	1.4	0.0
85°	7.2	7.2	8.6	10.0	12.9	14.3	11.5	7.2	4.3	1.4	0.0
87.5°	2.9	2.9	2.9	2.9	2.9	1.4	1.4	1.4	1.4	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)