

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P639376

Luminaire Tested: GWS-SA5B-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639376
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-760-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11062 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

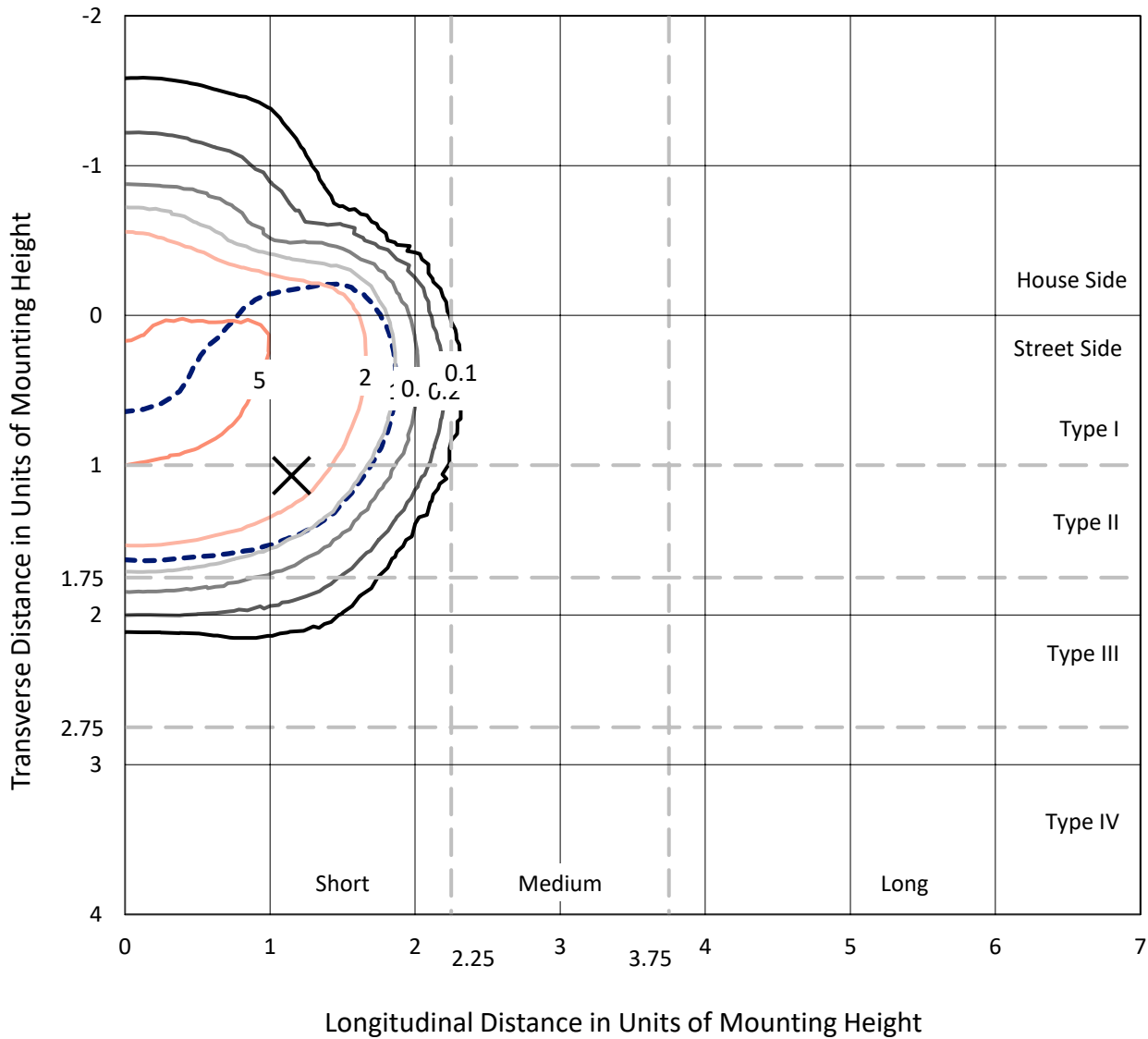
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

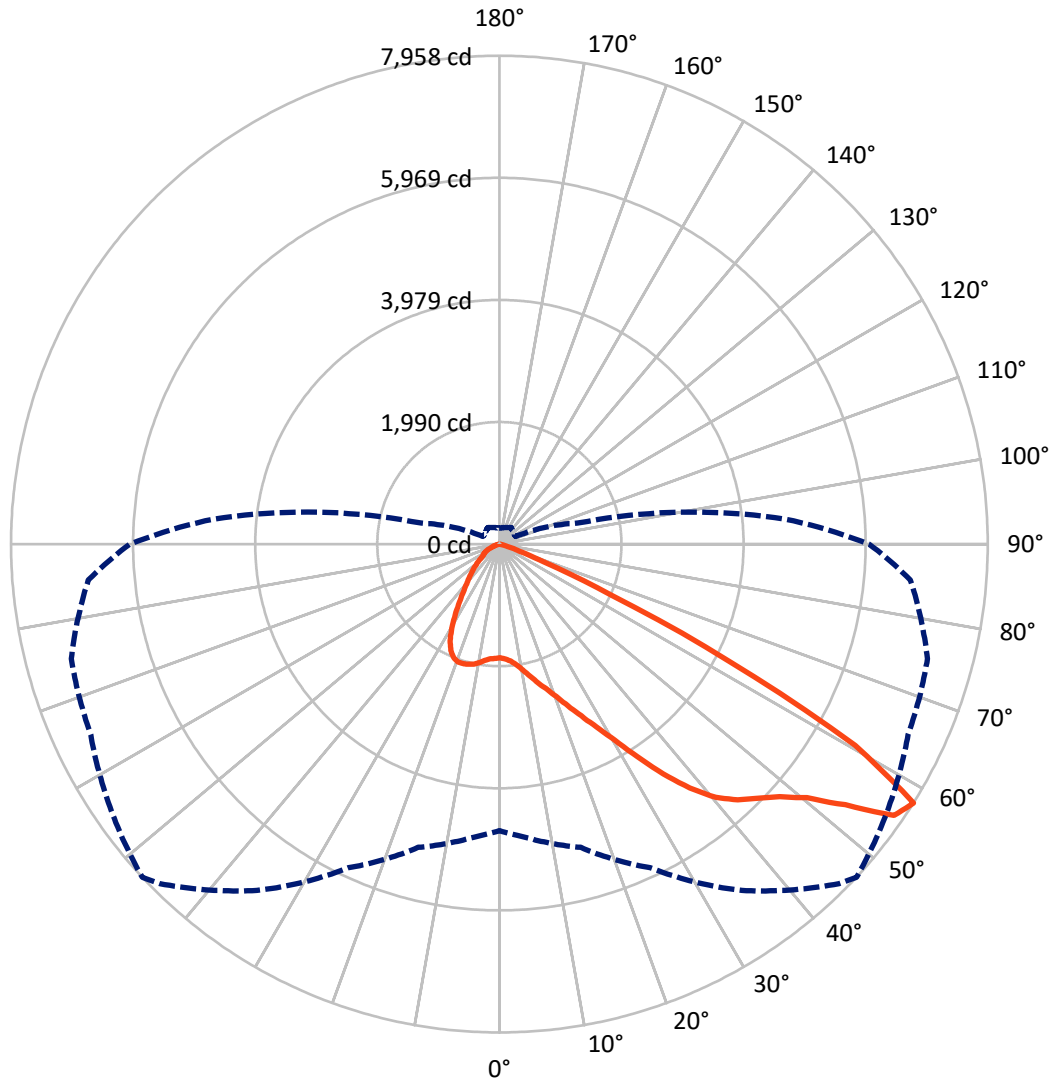
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2399.9	0.0	2399.9
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	8662.1	0.0	8662.1
	% Fixture	78.3	0.0	78.3
Total	Lumens	11062.0	0.0	11062.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.2	1.7
10°-20°	621.6	5.6
20°-30°	1154.2	10.4
30°-40°	1847.7	16.7
40°-50°	2700.9	24.4
50°-60°	3333.4	30.1
60°-70°	1113.8	10.1
70°-80°	103.8	0.9
80°-90°	2.2	0.0
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°	11062.0	100.0
0°-180°	11062.0	100.0

Coefficient of Utilization



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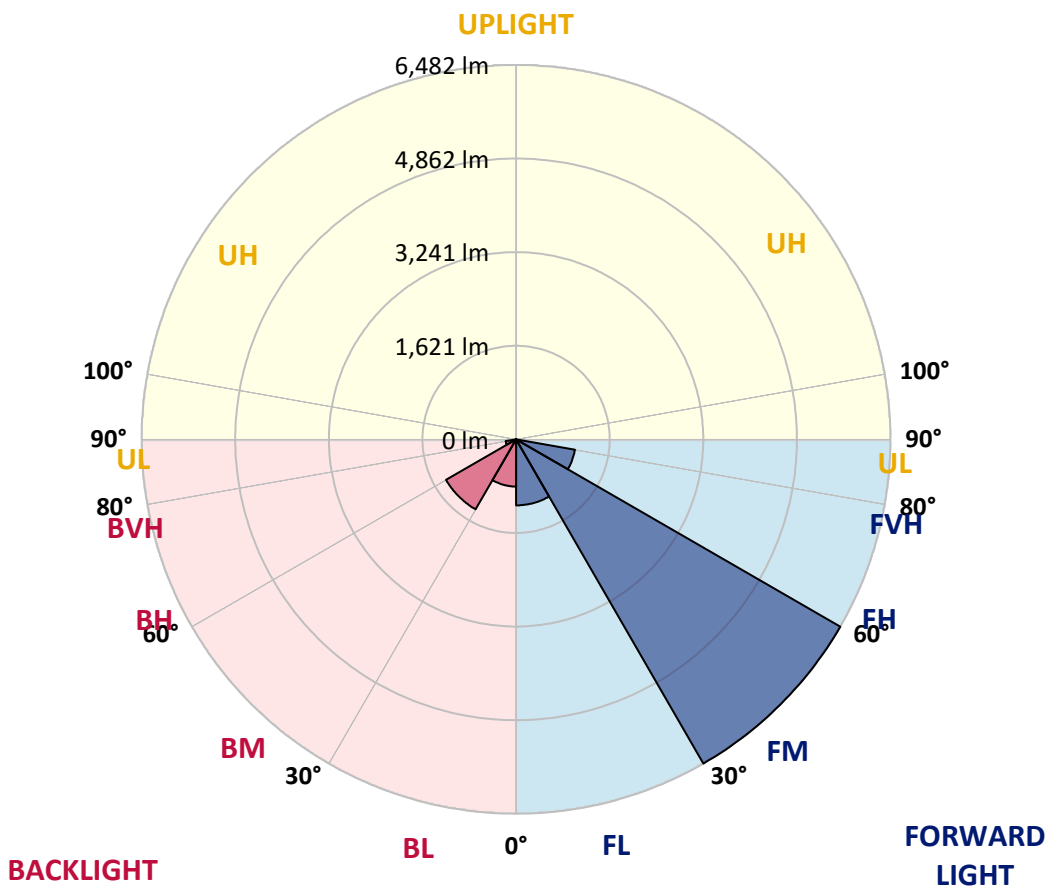
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1143.2	10.3			
FM (30°-60°)	6482.2	58.6			
FH (60°-80°)	1035.2	9.4			G1/1800
FVH (80°-90°)	1.5	0.0			G0/10
BL (0°-30°)	816.9	7.4	B2/1000		
BM (30°-60°)	1399.9	12.7	B2/2500		
BH (60°-80°)	182.5	1.6	B1/500		G1/500
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1851.8	1851.8	1851.8	1851.8	1851.8	1851.8	1851.8	1851.8	1851.8	1851.8	1851.8
2.5°	1871.1	1869.8	1868.5	1876.2	1873.6	1872.3	1874.9	1874.9	1874.9	1867.2	1851.8
5°	1916.0	1916.0	1914.7	1922.4	1916.0	1912.1	1913.4	1913.4	1908.3	1894.2	1874.9
7.5°	1986.6	1984.1	1981.5	1989.2	1982.8	1981.5	1984.1	1976.4	1967.4	1944.3	1917.3
10°	2088.1	2088.1	2084.2	2091.9	2086.8	2084.2	2084.2	2079.1	2062.4	2026.4	1986.6
12.5°	2228.1	2221.6	2212.6	2206.2	2203.7	2202.4	2203.7	2196.0	2178.0	2131.7	2076.5
15°	2380.9	2375.7	2361.6	2351.3	2337.2	2334.6	2342.3	2335.9	2317.9	2255.0	2176.7
17.5°	2573.5	2579.9	2544.0	2522.1	2481.0	2478.5	2481.0	2491.3	2478.5	2397.6	2283.3
20°	2737.9	2743.0	2716.0	2700.6	2663.4	2646.7	2651.8	2668.5	2654.4	2559.4	2400.1
22.5°	2913.8	2920.2	2892.0	2859.9	2843.2	2843.2	2862.4	2885.6	2866.3	2741.7	2533.7
25°	3124.4	3129.6	3106.4	3064.1	3034.5	3071.8	3100.0	3161.7	3129.6	2960.0	2691.6
27.5°	3365.8	3367.1	3333.7	3290.1	3274.7	3344.0	3372.3	3467.3	3454.5	3205.3	2858.6
30°	3624.0	3625.2	3617.5	3588.0	3573.9	3665.1	3703.6	3841.0	3832.0	3509.7	3085.9
32.5°	3892.4	3892.4	3906.5	3903.9	3920.6	4069.6	4131.2	4287.9	4278.9	3882.1	3368.4
35°	4162.0	4163.3	4187.7	4249.4	4318.7	4516.5	4597.4	4787.4	4766.9	4327.7	3729.3
37.5°	4469.0	4456.1	4489.5	4582.0	4736.1	4964.6	5041.7	5222.8	5199.7	4783.6	4200.6
40°	4838.8	4815.7	4815.7	4923.6	5098.2	5361.5	5427.0	5516.8	5438.5	5152.1	4662.9
42.5°	5247.2	5225.3	5197.1	5292.1	5438.5	5644.0	5697.9	5673.5	5609.3	5500.2	5189.4
45°	5660.7	5627.3	5646.5	5704.3	5789.1	5886.7	5907.2	5794.2	5764.7	5795.5	5624.7
47.5°	5975.3	5952.2	5999.7	6080.6	6149.9	6164.1	6149.9	5993.3	5990.7	6099.9	5926.5
50°	6080.6	6083.2	6214.2	6391.4	6503.1	6514.7	6495.4	6315.6	6291.2	6323.3	6089.6
52.5°	6090.9	6101.1	6292.5	6630.2	6934.6	7073.3	7057.9	6864.0	6625.1	6590.4	6336.2
55°	5843.0	5903.4	6170.5	6663.6	7310.8	7753.9	7805.3	7434.1	7079.7	7050.2	6866.5
57.5°	4670.6	4793.9	5116.2	5818.6	6890.9	7824.5	7958.1	7691.0	7348.1	7222.2	6724.0
60°	2791.8	2944.6	3254.1	4115.8	5244.6	6431.2	6661.1	6698.3	6540.3	6176.9	5158.6
62.5°	1198.1	1185.3	1566.7	2226.8	3119.3	4087.6	4191.6	4353.4	4490.8	4110.7	3130.8
65°	410.9	446.9	621.5	1004.2	1561.6	1898.0	1990.5	2135.6	2330.8	1923.7	1146.8
67.5°	254.3	269.7	358.3	593.3	842.4	829.6	788.5	765.4	744.8	509.8	314.6
70°	184.9	197.8	251.7	408.4	566.3	398.1	345.4	280.0	310.8	286.4	223.4
72.5°	124.6	134.8	173.4	247.8	290.2	193.9	179.8	204.2	246.6	235.0	182.4
75°	74.5	80.9	98.9	120.7	118.1	100.2	101.5	143.8	188.8	175.9	129.7
77.5°	51.4	53.9	65.5	78.3	57.8	30.8	28.3	39.8	64.2	64.2	43.7
80°	12.8	16.7	16.7	10.3	9.0	7.7	7.7	11.6	18.0	12.8	6.4
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6	2.6
85°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6
87.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6
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°	1851.8	1851.8	1851.8	1851.8	1851.8	1851.8	1851.8	1851.8	1851.8	1851.8	1851.8
2.5°	1860.8	1845.4	1855.6	1853.1	1860.8	1863.3	1851.8	1849.2	1850.5	1835.1	1830.0
5°	1878.8	1860.8	1865.9	1860.8	1869.8	1877.5	1873.6	1878.8	1885.2	1873.6	1868.5
7.5°	1917.3	1899.3	1898.0	1890.3	1903.2	1908.3	1907.0	1921.1	1934.0	1926.3	1918.6
10°	1984.1	1959.7	1957.1	1950.7	1954.5	1958.4	1944.3	1946.8	1958.4	1949.4	1945.5
12.5°	2066.2	2036.7	2030.3	2014.9	2014.9	1995.6	1964.8	1958.4	1967.4	1960.9	1954.5
15°	2154.9	2115.0	2104.8	2077.8	2052.1	2016.2	1984.1	1976.4	1982.8	1975.1	1969.9
17.5°	2253.7	2208.8	2175.4	2127.9	2071.4	2029.0	1993.1	1976.4	1966.1	1950.7	1949.4
20°	2351.3	2292.3	2235.8	2160.0	2085.5	2021.3	1962.2	1918.6	1881.3	1858.2	1849.2
22.5°	2464.3	2377.0	2285.8	2179.3	2072.7	1975.1	1871.1	1796.6	1732.4	1710.5	1700.3
25°	2585.1	2472.1	2335.9	2197.2	2029.0	1872.3	1731.1	1620.6	1535.9	1507.6	1496.1
27.5°	2718.6	2563.2	2387.3	2193.4	1939.1	1725.9	1538.5	1401.0	1317.6	1291.9	1300.9
30°	2888.1	2681.4	2451.5	2153.6	1804.3	1520.5	1300.9	1185.3	1122.4	1098.0	1099.3
32.5°	3114.1	2850.9	2545.2	2068.8	1630.9	1286.8	1094.1	1009.4	967.0	934.9	932.3
35°	3437.8	3109.0	2632.6	1932.7	1420.3	1078.7	938.7	872.0	812.9	775.6	782.1
37.5°	3825.6	3433.9	2680.1	1749.1	1184.0	916.9	821.9	753.8	687.0	631.8	638.2
40°	4285.3	3859.0	2676.2	1507.6	968.3	806.5	724.3	644.7	561.2	511.1	516.2
42.5°	4797.7	4260.9	2592.8	1252.1	802.6	716.6	630.5	530.4	449.5	418.6	419.9
45°	5242.0	4587.1	2446.4	987.5	675.5	629.2	532.9	430.2	394.2	372.4	371.1
47.5°	5570.8	4826.0	2237.0	776.9	572.7	549.6	437.9	385.3	357.0	339.0	336.5
50°	5754.4	4909.4	2005.9	608.7	484.1	466.2	391.7	349.3	330.0	318.5	315.9
52.5°	6001.0	5009.6	1840.2	480.3	405.8	381.4	360.9	324.9	312.1	303.1	299.2
55°	6391.4	5203.5	1696.4	381.4	337.7	332.6	340.3	310.8	303.1	288.9	283.8
57.5°	6024.1	4674.4	1317.6	295.4	285.1	304.4	328.8	296.6	277.4	264.5	259.4
60°	4239.1	3107.7	662.6	237.6	254.3	285.1	309.5	268.4	249.1	251.7	249.1
62.5°	2337.2	1555.1	297.9	199.0	220.9	251.7	264.5	232.4	219.6	241.4	245.3
65°	764.1	529.1	172.1	154.1	174.6	205.5	228.6	220.9	218.3	244.0	251.7
67.5°	235.0	174.6	116.9	110.4	120.7	151.5	192.6	238.9	256.8	264.5	268.4
70°	175.9	137.4	100.2	93.7	98.9	115.6	163.1	199.0	187.5	188.8	186.2
72.5°	141.3	109.2	86.0	82.2	82.2	79.6	86.0	107.9	122.0	128.4	128.4
75°	98.9	77.1	65.5	60.4	47.5	38.5	34.7	34.7	30.8	29.5	28.3
77.5°	33.4	28.3	25.7	20.5	14.1	11.6	10.3	9.0	6.4	3.9	2.6
80°	5.1	3.9	2.6	2.6	2.6	1.3	1.3	1.3	0.0	0.0	0.0
82.5°	2.6	2.6	2.6	2.6	2.6	1.3	1.3	0.0	0.0	0.0	0.0
85°	2.6	2.6	2.6	2.6	2.6	1.3	1.3	0.0	0.0	0.0	0.0
87.5°	2.6	2.6	2.6	2.6	1.3	1.3	1.3	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)