

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: P634346

Luminaire Tested: GWS-SA3B-750-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634346
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-750-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8434.4 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

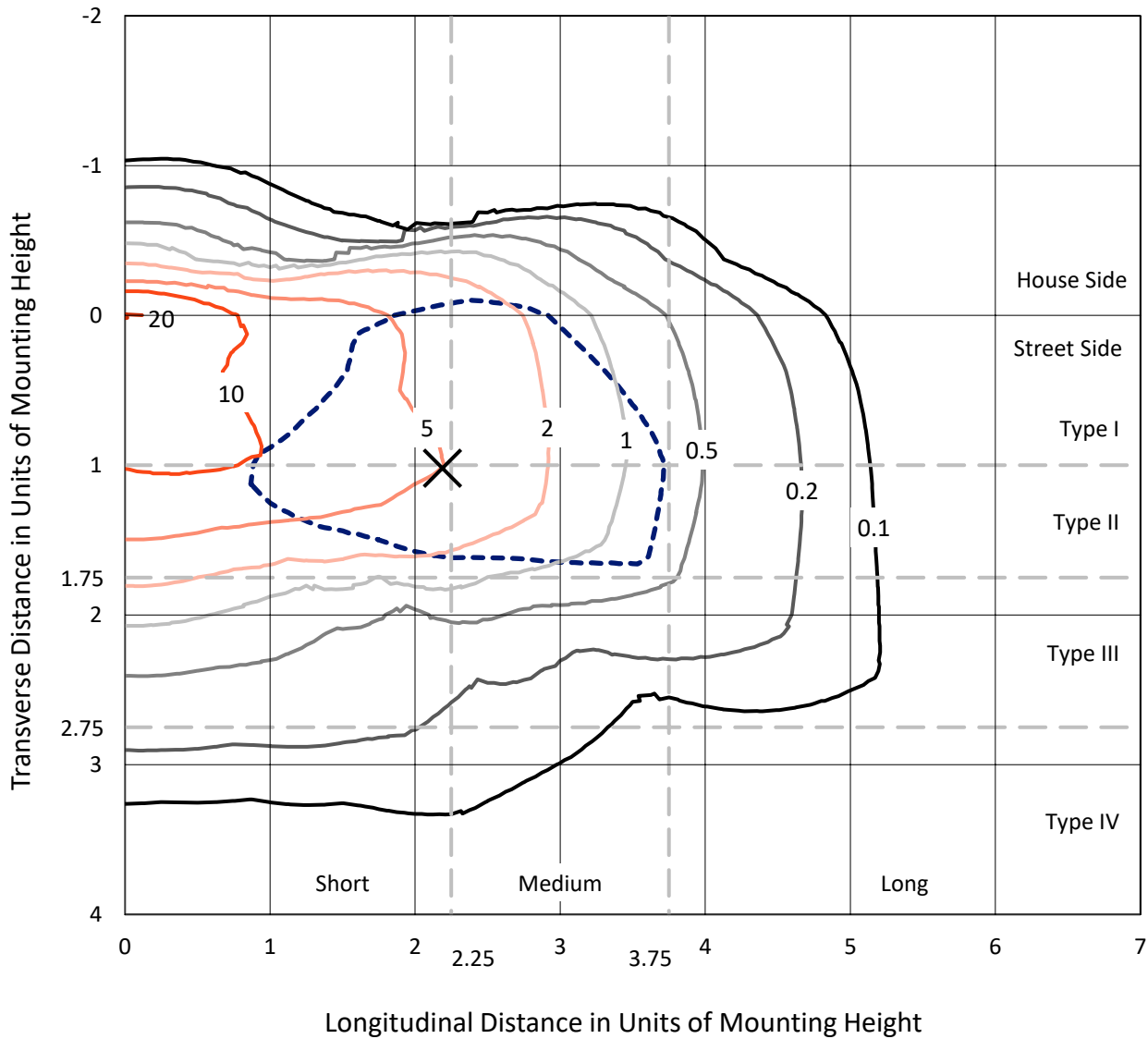
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

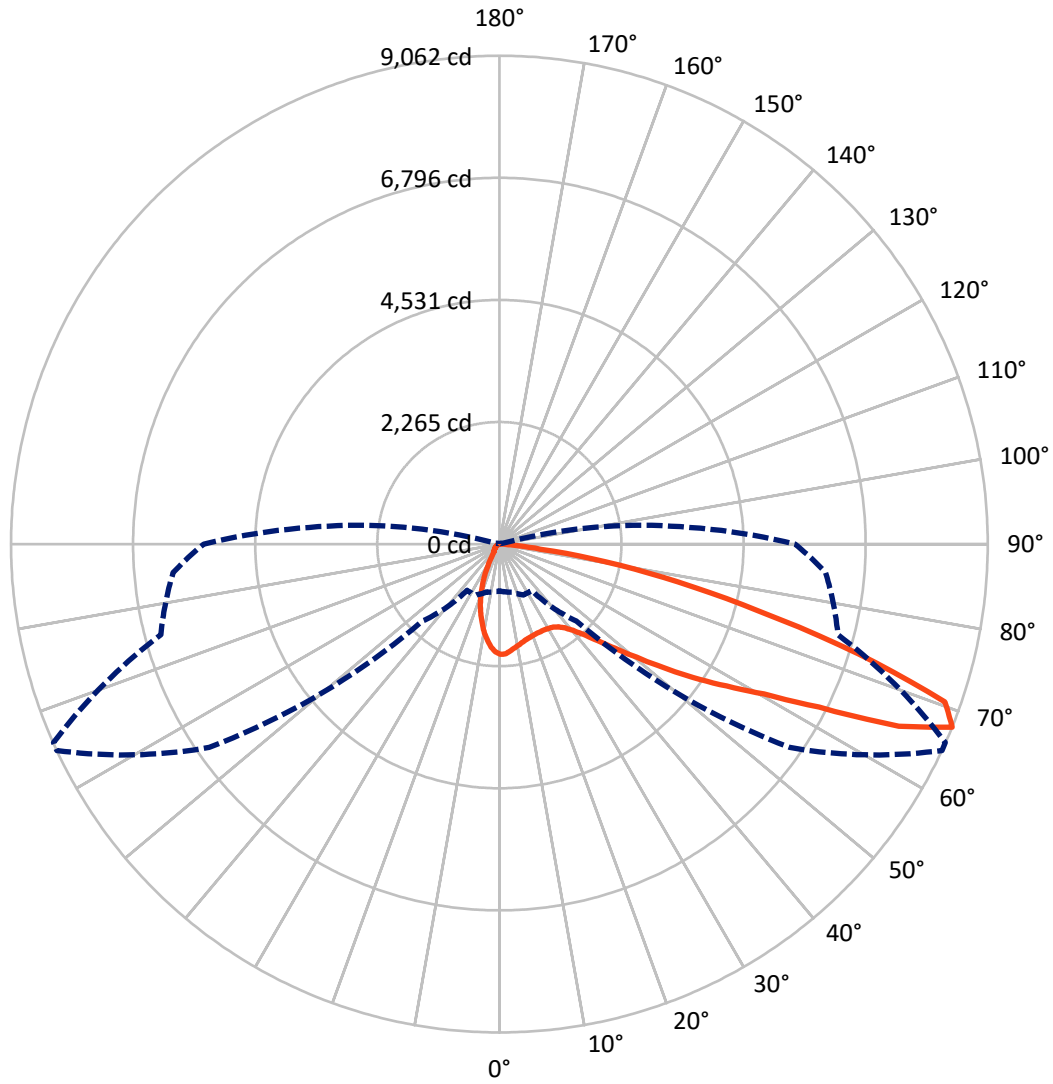
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1053.2	0.0	1053.2
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	7381.2	0.0	7381.2
	% Fixture	87.5	0.0	87.5
Total	Lumens	8434.4	0.0	8434.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.9	2.0
10°-20°	381.9	4.5
20°-30°	545.7	6.5
30°-40°	794.0	9.4
40°-50°	1243.5	14.7
50°-60°	1939.9	23.0
60°-70°	2130.9	25.3
70°-80°	1134.1	13.4
80°-90°	94.4	1.1
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°	8434.4	100.0
0°-180°	8434.4	100.0

Coefficient of Utilization



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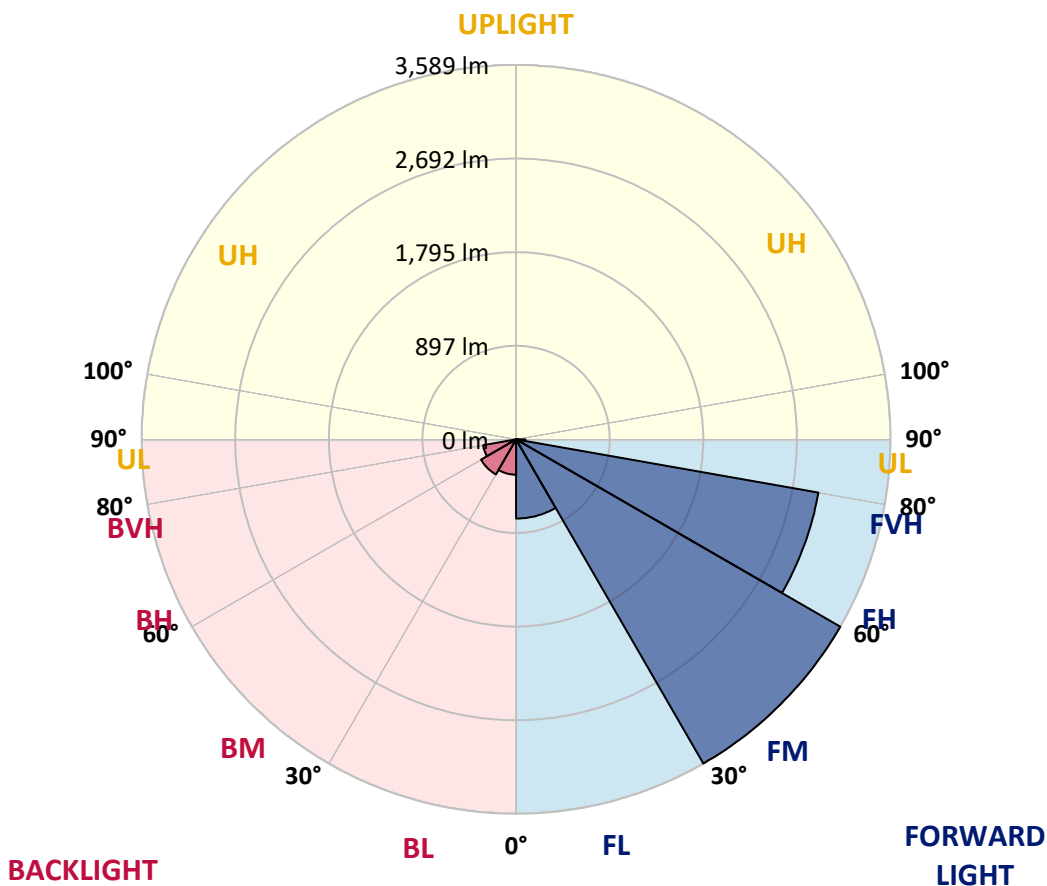
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	759.0	9.0			
FM (30°-60°)	3589.5	42.6			
FH (60°-80°)	2943.3	34.9			G2/5000
FVH (80°-90°)	89.4	1.1			G1/100
BL (0°-30°)	338.5	4.0	B1/500		
BM (30°-60°)	387.9	4.6	B1/1000		
BH (60°-80°)	321.7	3.8	B1/500		G1/500
BVH (80°-90°)	5.0	0.1			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6
2.5°	1974.7	1980.8	1972.4	1993.0	1996.8	2019.7	2032.6	2041.8	2041.0	2052.5	2052.5
5°	1858.7	1864.8	1860.3	1882.4	1899.9	1935.8	1965.5	1999.8	2001.4	2036.5	2049.4
7.5°	1760.4	1761.1	1761.1	1788.6	1811.5	1855.7	1899.9	1952.6	1958.7	2012.8	2047.1
10°	1679.5	1681.8	1682.6	1713.8	1739.0	1792.4	1848.8	1912.1	1919.0	1992.2	2045.6
12.5°	1623.8	1624.6	1627.6	1660.4	1687.9	1743.6	1800.8	1873.2	1882.4	1968.6	2038.7
15°	1597.1	1595.6	1597.1	1624.6	1652.0	1705.4	1764.2	1842.0	1851.9	1948.7	2039.5
17.5°	1595.6	1593.3	1591.8	1612.4	1629.9	1677.2	1736.7	1821.4	1832.0	1939.6	2047.9
20°	1617.7	1616.2	1608.6	1617.7	1621.5	1660.4	1719.2	1805.4	1816.0	1938.1	2066.2
22.5°	1675.7	1671.9	1660.4	1652.0	1631.5	1654.3	1707.0	1793.9	1806.1	1941.9	2089.8
25°	1761.9	1760.4	1745.9	1725.3	1672.6	1663.5	1707.7	1793.9	1805.4	1946.5	2115.0
27.5°	1891.5	1882.4	1864.1	1828.2	1752.7	1699.3	1723.0	1798.5	1809.9	1952.6	2135.6
30°	2023.5	2022.7	2016.6	1980.0	1867.9	1768.0	1755.0	1810.7	1821.4	1957.9	2154.7
32.5°	2160.0	2162.3	2177.6	2149.3	2026.5	1870.2	1813.0	1835.9	1843.5	1968.6	2171.5
35°	2289.7	2294.3	2334.7	2344.6	2219.5	2025.0	1907.6	1886.2	1887.0	1992.2	2193.6
37.5°	2414.0	2429.3	2494.1	2542.1	2459.8	2212.6	2044.1	1971.6	1965.5	2039.5	2227.1
40°	2555.1	2584.1	2665.7	2747.3	2721.4	2460.5	2230.2	2102.8	2089.8	2126.5	2287.4
42.5°	2711.5	2742.7	2851.0	2965.4	2977.6	2760.3	2462.8	2294.3	2272.1	2272.9	2400.3
45°	2879.3	2921.2	3047.1	3211.8	3285.8	3094.3	2749.6	2552.8	2530.7	2497.9	2581.8
47.5°	3099.7	3136.3	3257.6	3447.5	3589.3	3452.8	3125.6	2885.4	2844.9	2796.9	2864.0
50°	3289.6	3321.6	3426.1	3664.1	3959.3	3915.0	3552.0	3301.0	3262.1	3180.5	3236.2
52.5°	3331.5	3356.7	3452.8	3720.5	4242.2	4498.5	4074.4	3803.7	3776.2	3625.2	3646.6
55°	3143.2	3181.3	3267.5	3564.9	4316.2	5069.0	4752.5	4370.4	4313.2	4072.1	4110.3
57.5°	2667.2	2735.1	2816.0	3202.6	4115.6	5372.6	5699.8	4970.6	4918.8	4502.3	4503.1
60°	1954.8	2009.8	2063.9	2417.8	3639.7	5352.0	6559.4	5644.9	5550.3	4853.9	4841.0
62.5°	1421.7	1449.9	1449.2	1575.0	2499.4	4999.6	7010.9	6660.8	6440.4	5230.0	5156.0
65°	1118.1	1117.4	1150.2	1191.4	1395.8	3859.3	7066.6	8144.3	7906.3	5734.1	5580.0
67.5°	870.3	887.0	919.8	1041.1	1048.7	2019.7	6576.9	9061.8	9057.3	6503.7	6076.6
70°	671.2	694.1	740.6	917.5	968.7	1130.3	4921.1	8771.2	8845.2	6847.7	5725.0
72.5°	430.9	429.4	498.1	741.4	930.5	942.0	2721.4	6967.4	7051.3	6202.4	4628.9
75°	241.0	242.5	281.4	453.8	867.2	886.3	1347.7	4968.3	5034.7	4835.6	3556.6
77.5°	94.6	97.6	132.0	238.7	572.0	791.7	800.9	3388.0	3397.9	2996.7	2181.4
80°	38.1	40.4	67.1	148.0	348.6	533.1	572.0	1996.0	1955.6	1160.1	634.6
82.5°	11.4	12.2	26.7	83.9	182.3	379.1	385.9	765.8	723.1	249.4	161.7
85°	0.8	0.8	6.1	25.9	64.8	95.3	257.0	249.4	221.2	62.5	71.7
87.5°	0.0	0.0	0.8	0.8	1.5	3.1	27.5	45.8	46.5	11.4	32.0
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°	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6	2045.6
2.5°	2052.5	2025.0	2022.7	2001.4	1980.0	1953.3	1922.0	1899.2	1883.1	1854.9	1849.6
5°	2049.4	2012.8	1978.5	1917.5	1849.6	1776.4	1712.3	1652.8	1615.4	1590.3	1579.6
7.5°	2043.3	1996.8	1917.5	1802.3	1688.7	1560.5	1460.6	1369.1	1306.5	1269.9	1253.9
10°	2038.7	1976.2	1847.3	1672.6	1496.5	1319.5	1167.7	1032.0	956.4	897.0	887.0
12.5°	2029.6	1946.5	1757.3	1520.9	1293.6	1058.7	864.9	698.6	583.5	531.6	513.3
15°	2020.4	1915.2	1667.3	1360.7	1072.4	782.5	547.6	387.5	308.1	283.7	282.2
17.5°	2018.9	1887.0	1569.7	1208.9	840.5	512.5	312.0	250.9	234.2	228.1	228.1
20°	2023.5	1863.3	1473.6	1034.2	612.5	312.0	232.6	217.4	207.5	202.1	202.1
22.5°	2028.1	1838.9	1381.3	858.1	406.5	228.1	205.2	192.2	180.8	174.7	171.6
25°	2031.1	1812.2	1279.1	681.1	265.4	198.3	180.0	163.2	149.5	141.9	141.9
27.5°	2030.4	1780.2	1176.1	508.0	205.9	176.2	154.1	136.5	122.8	114.4	115.2
30°	2024.3	1745.1	1069.3	354.7	180.0	154.1	132.0	113.6	99.9	93.1	92.3
32.5°	2019.7	1707.7	945.8	249.4	161.7	135.0	112.1	94.6	83.1	77.8	77.0
35°	2014.3	1671.1	828.3	189.9	145.7	116.7	94.6	80.1	70.9	66.4	66.4
37.5°	2015.9	1633.0	700.9	163.2	129.7	101.4	80.8	68.6	61.0	56.4	55.7
40°	2039.5	1610.1	575.9	148.0	115.2	87.7	70.2	59.5	51.9	47.3	46.5
42.5°	2098.2	1610.9	456.1	136.5	102.2	74.7	61.0	51.1	44.2	38.9	38.1
45°	2215.7	1642.9	350.1	124.3	88.5	64.8	52.6	43.5	36.6	32.0	31.3
47.5°	2407.9	1738.2	265.4	113.6	77.0	56.4	45.0	36.6	30.5	26.7	25.9
50°	2713.7	1910.6	209.0	100.7	64.8	48.8	38.1	30.5	25.2	21.4	20.6
52.5°	3081.4	2169.2	179.2	89.2	55.7	42.7	32.8	25.2	20.6	17.5	16.8
55°	3503.9	2478.1	165.5	77.8	47.3	36.6	26.7	20.6	16.8	14.5	13.0
57.5°	3891.4	2756.5	164.7	66.4	40.4	31.3	22.1	17.5	14.5	11.4	10.7
60°	4268.9	2989.1	154.8	54.9	35.1	25.9	19.1	14.5	12.2	9.9	9.2
62.5°	4611.4	3178.2	129.7	44.2	29.7	21.4	16.0	13.0	10.7	8.4	8.4
65°	5041.6	3419.3	99.2	35.8	24.4	17.5	13.7	11.4	9.9	7.6	7.6
67.5°	5486.2	3546.6	70.9	29.7	19.8	15.3	12.2	10.7	8.4	6.9	6.9
70°	4969.1	2996.7	51.1	24.4	16.8	13.0	10.7	9.9	8.4	6.9	6.1
72.5°	3880.7	2160.8	38.1	19.1	14.5	12.2	9.9	9.2	7.6	6.1	6.1
75°	2877.7	1260.0	29.0	15.3	11.4	9.9	9.9	9.2	7.6	6.1	5.3
77.5°	1564.3	439.3	22.1	12.2	9.2	7.6	8.4	8.4	6.9	5.3	4.6
80°	414.2	120.5	15.3	9.2	7.6	6.1	6.1	7.6	6.1	4.6	4.6
82.5°	120.5	35.1	10.7	7.6	6.1	5.3	5.3	5.3	4.6	3.8	3.1
85°	58.7	13.0	7.6	6.1	5.3	4.6	3.8	3.8	3.1	2.3	2.3
87.5°	25.9	5.3	6.1	5.3	5.3	3.8	3.1	2.3	2.3	1.5	0.8
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)