

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: P634872

Luminaire Tested: GWS-SA3C-750-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634872
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-750-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11170.2 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

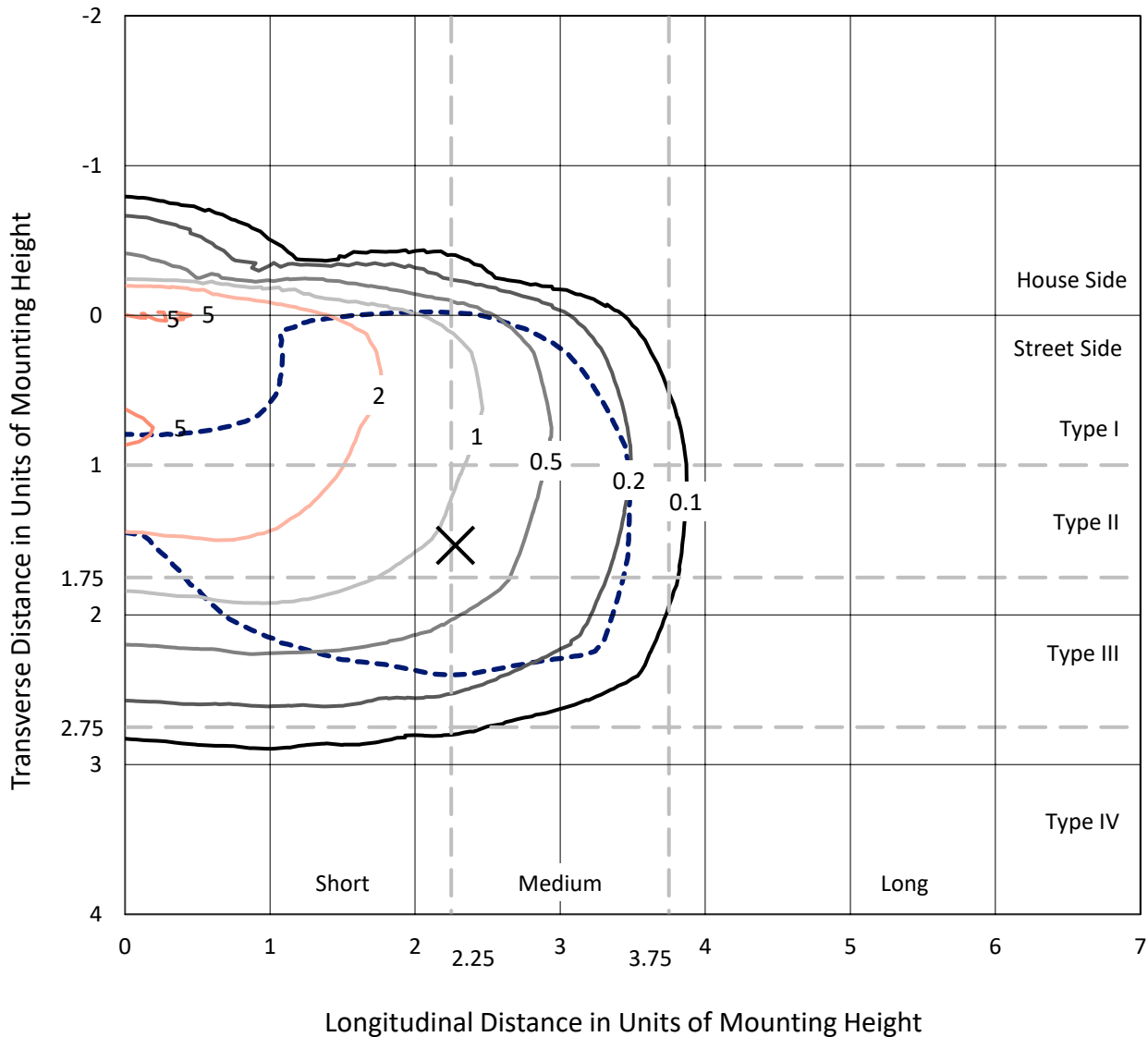
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

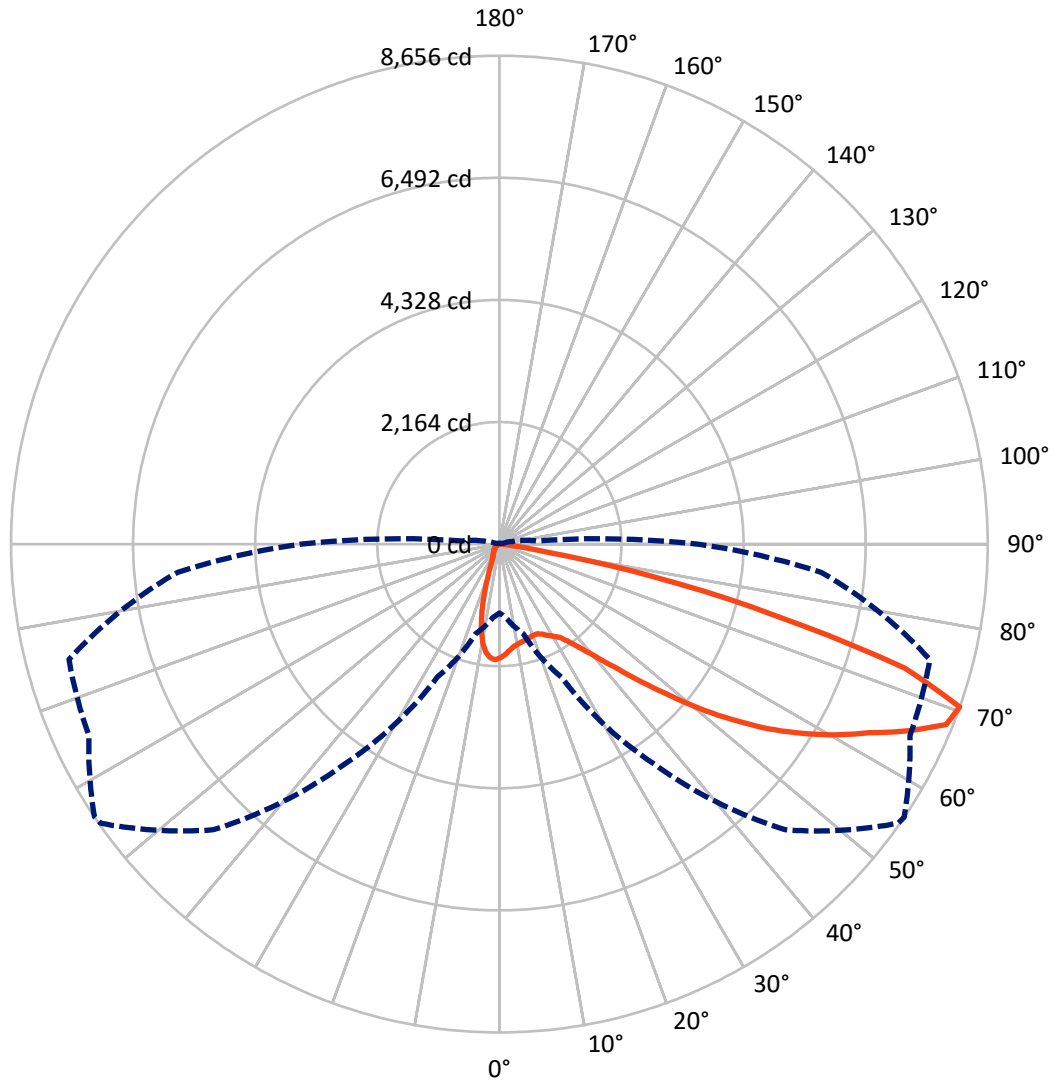
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1003.3	0.0	1003.3
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	10166.9	0.0	10166.9
	% Fixture	91.0	0.0	91.0
Total	Lumens	11170.2	0.0	11170.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.9	1.5
10°-20°	388.9	3.5
20°-30°	616.1	5.5
30°-40°	1062.4	9.5
40°-50°	1794.1	16.1
50°-60°	2636.1	23.6
60°-70°	3125.2	28.0
70°-80°	1332.7	11.9
80°-90°	41.8	0.4
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°	11170.2	100.0
0°-180°	11170.2	100.0

Coefficient of Utilization



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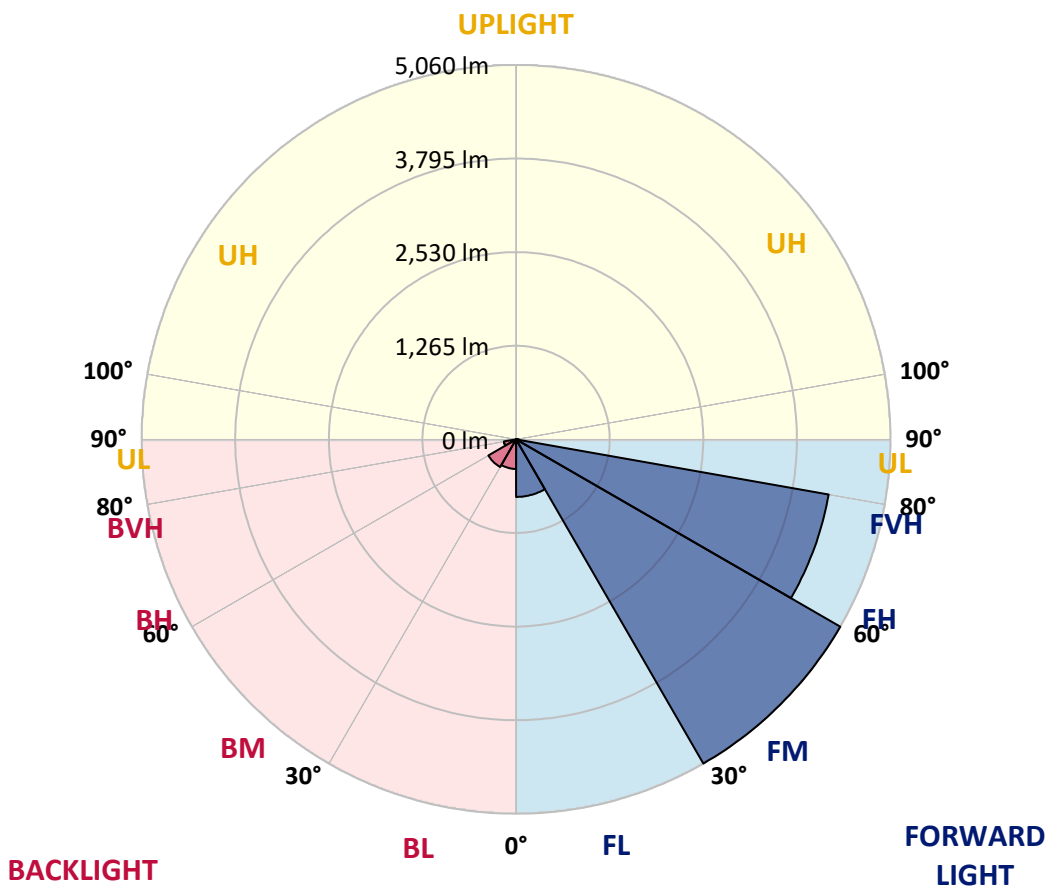
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	778.4	7.0			
FM (30°-60°)	5060.4	45.3			
FH (60°-80°)	4290.6	38.4			G2/5000
FVH (80°-90°)	37.6	0.3			G1/100
BL (0°-30°)	399.6	3.6	B1/500		
BM (30°-60°)	432.1	3.9	B1/1000		
BH (60°-80°)	167.3	1.5	B1/500		G1/500
BVH (80°-90°)	4.2	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-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2014.1	2014.1	2014.1	2014.1	2014.1	2014.1	2014.1	2014.1	2014.1	2014.1	2014.1
2.5°	1875.0	1871.9	1874.0	1889.3	1917.9	1931.2	1953.7	1957.8	1976.3	1999.8	2009.0
5°	1753.3	1743.0	1748.1	1769.6	1802.4	1839.2	1881.1	1892.4	1938.4	1990.6	2029.4
7.5°	1641.8	1630.5	1642.8	1676.5	1722.6	1762.5	1824.9	1832.0	1905.7	1997.7	2068.3
10°	1466.8	1469.9	1494.5	1553.8	1624.4	1707.2	1791.1	1801.3	1892.4	2021.3	2130.7
12.5°	1332.8	1325.7	1352.3	1419.8	1519.0	1639.7	1765.5	1778.8	1893.4	2057.1	2210.5
15°	1270.4	1268.4	1279.7	1328.8	1424.9	1567.1	1742.0	1759.4	1906.7	2089.8	2286.2
17.5°	1272.5	1269.4	1268.4	1297.0	1368.6	1512.9	1716.4	1738.9	1917.9	2125.6	2366.0
20°	1361.5	1347.2	1321.6	1308.3	1351.3	1478.1	1699.0	1724.6	1934.3	2163.4	2450.9
22.5°	1547.7	1552.8	1484.2	1412.6	1392.2	1482.2	1697.0	1726.7	1970.1	2222.8	2555.2
25°	1920.0	1911.8	1785.0	1624.4	1512.9	1529.2	1732.8	1768.6	2040.7	2307.7	2653.4
27.5°	2386.4	2393.6	2219.7	1964.0	1730.8	1626.4	1798.3	1834.1	2122.5	2360.9	2718.9
30°	2894.8	2887.7	2701.5	2418.1	2039.7	1788.0	1863.7	1895.4	2163.4	2389.5	2786.4
32.5°	3375.6	3359.2	3175.1	2878.5	2433.5	2042.7	1953.7	1972.2	2217.7	2451.9	2877.4
35°	3785.8	3784.7	3624.2	3308.1	2838.6	2361.9	2108.2	2123.6	2318.9	2551.1	3011.4
37.5°	4209.3	4194.9	4014.9	3726.4	3254.9	2711.7	2344.5	2338.4	2478.5	2697.4	3176.1
40°	4557.0	4547.8	4409.7	4132.5	3687.6	3098.4	2630.9	2612.5	2667.7	2899.9	3405.2
42.5°	4814.8	4815.8	4772.9	4604.1	4145.8	3545.4	2991.0	2962.3	2961.3	3205.8	3708.0
45°	5010.2	5023.5	5087.9	5062.4	4686.9	4066.0	3452.3	3422.6	3372.5	3602.7	4054.8
47.5°	5101.2	5118.6	5313.0	5415.3	5160.6	4582.6	4001.6	3939.2	3841.0	4130.5	4442.5
50°	5092.0	5122.7	5393.8	5704.7	5590.2	5106.3	4600.0	4570.3	4409.7	4689.0	4826.1
52.5°	4883.3	4948.8	5398.9	5880.7	5920.6	5589.2	5218.9	5163.6	5085.9	5272.1	5186.1
55°	4316.7	4396.4	5183.1	5936.9	6178.3	6010.6	5824.4	5779.4	5650.5	5822.4	5500.2
57.5°	4008.8	4077.3	4728.9	5909.3	6397.2	6400.3	6363.5	6326.7	6220.3	6366.6	5868.4
60°	3823.6	3892.2	4486.5	5808.1	6595.7	6811.5	6869.8	6865.7	6712.3	6985.4	6300.1
62.5°	3552.5	3646.7	4233.8	5545.2	6736.9	7216.6	7392.5	7364.9	7194.1	7629.8	6727.6
65°	3005.3	3087.1	3716.2	5111.5	6654.0	7552.1	7959.2	7973.5	7776.1	8236.4	7065.2
67.5°	2107.2	2167.5	2792.5	4201.1	6091.4	7662.6	8539.2	8538.2	8201.7	8547.4	6915.9
70°	1221.3	1304.2	1649.9	2597.2	4739.1	7160.3	8626.2	8655.8	8028.8	7897.8	5723.2
72.5°	472.6	541.1	934.9	1379.9	2471.3	5484.8	7420.2	7507.1	6719.5	6092.4	3983.2
75°	141.2	157.5	439.8	734.4	992.2	2649.3	5023.5	5048.0	4609.2	3800.1	2041.7
77.5°	105.4	116.6	192.3	371.3	347.8	803.0	2599.2	2838.6	2446.8	1357.4	562.6
80°	71.6	84.9	137.1	181.1	128.9	213.8	730.4	802.0	746.7	304.8	141.2
82.5°	31.7	40.9	97.2	91.0	47.1	61.4	225.0	239.4	154.5	92.1	49.1
85°	3.1	4.1	36.8	39.9	17.4	14.3	47.1	47.1	33.8	31.7	20.5
87.5°	0.0	0.0	1.0	2.0	2.0	3.1	4.1	5.1	6.1	8.2	10.2
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°	2014.1	2014.1	2014.1	2014.1	2014.1	2014.1	2014.1	2014.1	2014.1	2014.1	2014.1
2.5°	2032.5	2020.2	2035.6	2047.9	2050.9	2028.4	2015.1	1995.7	1991.6	1992.6	1987.5
5°	2060.1	2054.0	2065.2	2051.9	2017.2	1951.7	1895.4	1833.0	1799.3	1779.9	1777.8
7.5°	2111.3	2108.2	2095.9	2035.6	1927.2	1781.9	1641.8	1504.7	1419.8	1389.1	1384.0
10°	2187.0	2180.8	2130.7	1987.5	1756.3	1477.1	1241.8	1045.4	925.7	891.0	848.0
12.5°	2273.9	2261.6	2152.2	1884.2	1498.6	1111.9	818.3	598.4	495.1	464.4	464.4
15°	2357.8	2331.2	2139.9	1713.4	1181.5	723.2	457.2	345.7	314.0	305.8	305.8
17.5°	2443.7	2392.6	2091.8	1480.1	816.3	427.6	304.8	283.3	279.3	280.3	281.3
20°	2524.5	2444.7	2006.9	1199.9	520.7	298.7	273.1	268.0	266.0	268.0	267.0
22.5°	2612.5	2492.8	1878.1	894.0	338.6	269.0	259.8	255.7	253.7	256.7	256.7
25°	2699.4	2527.6	1707.2	601.5	269.0	250.6	245.5	241.4	239.4	240.4	240.4
27.5°	2744.5	2514.3	1483.2	383.6	241.4	232.2	227.1	222.0	218.9	217.9	218.9
30°	2775.1	2473.4	1209.1	273.1	218.9	207.6	202.5	198.4	190.3	185.1	187.2
32.5°	2823.2	2432.5	911.4	229.1	200.5	183.1	174.9	164.7	153.4	148.3	148.3
35°	2880.5	2376.2	639.3	206.6	181.1	162.6	147.3	129.9	116.6	112.5	112.5
37.5°	2956.2	2323.0	425.5	191.3	164.7	145.3	123.8	103.3	89.0	86.9	85.9
40°	3069.7	2278.0	299.7	180.0	150.4	126.8	101.3	79.8	69.6	66.5	66.5
42.5°	3217.0	2232.0	237.3	168.8	138.1	109.5	80.8	63.4	55.2	53.2	52.2
45°	3399.1	2177.8	206.6	158.6	125.8	91.0	64.4	53.2	47.1	45.0	45.0
47.5°	3596.5	2104.1	192.3	145.3	111.5	73.6	54.2	46.0	43.0	41.9	40.9
50°	3790.9	2004.9	180.0	133.0	95.1	60.4	47.1	41.9	39.9	38.9	38.9
52.5°	3960.7	1889.3	164.7	118.7	77.7	52.2	41.9	38.9	36.8	34.8	33.8
55°	4105.9	1763.5	145.3	102.3	63.4	46.0	38.9	35.8	33.8	31.7	30.7
57.5°	4293.1	1691.9	116.6	82.9	52.2	40.9	35.8	32.7	30.7	27.6	27.6
60°	4500.8	1639.7	86.9	65.5	45.0	37.8	32.7	29.7	27.6	24.5	24.5
62.5°	4667.5	1562.0	68.5	53.2	38.9	33.8	29.7	26.6	24.5	21.5	21.5
65°	4730.9	1401.4	56.3	41.9	31.7	29.7	26.6	24.5	21.5	18.4	18.4
67.5°	4444.5	1080.2	47.1	33.8	26.6	25.6	23.5	22.5	18.4	16.4	15.3
70°	3519.8	658.8	38.9	27.6	22.5	21.5	21.5	19.4	16.4	15.3	14.3
72.5°	2412.0	339.6	31.7	22.5	19.4	19.4	18.4	17.4	15.3	14.3	14.3
75°	1253.1	113.5	24.5	17.4	15.3	16.4	16.4	15.3	14.3	14.3	13.3
77.5°	359.0	51.1	18.4	13.3	12.3	12.3	13.3	13.3	13.3	12.3	12.3
80°	93.1	29.7	13.3	10.2	10.2	10.2	10.2	11.3	12.3	11.3	11.3
82.5°	37.8	16.4	9.2	8.2	8.2	8.2	8.2	9.2	10.2	10.2	10.2
85°	23.5	8.2	7.2	7.2	7.2	6.1	6.1	7.2	7.2	8.2	8.2
87.5°	14.3	6.1	6.1	6.1	6.1	5.1	5.1	5.1	5.1	5.1	5.1
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)