

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: P635257

Luminaire Tested: GWS-SA3D-735-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635257
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-SA3D-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13587.4 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

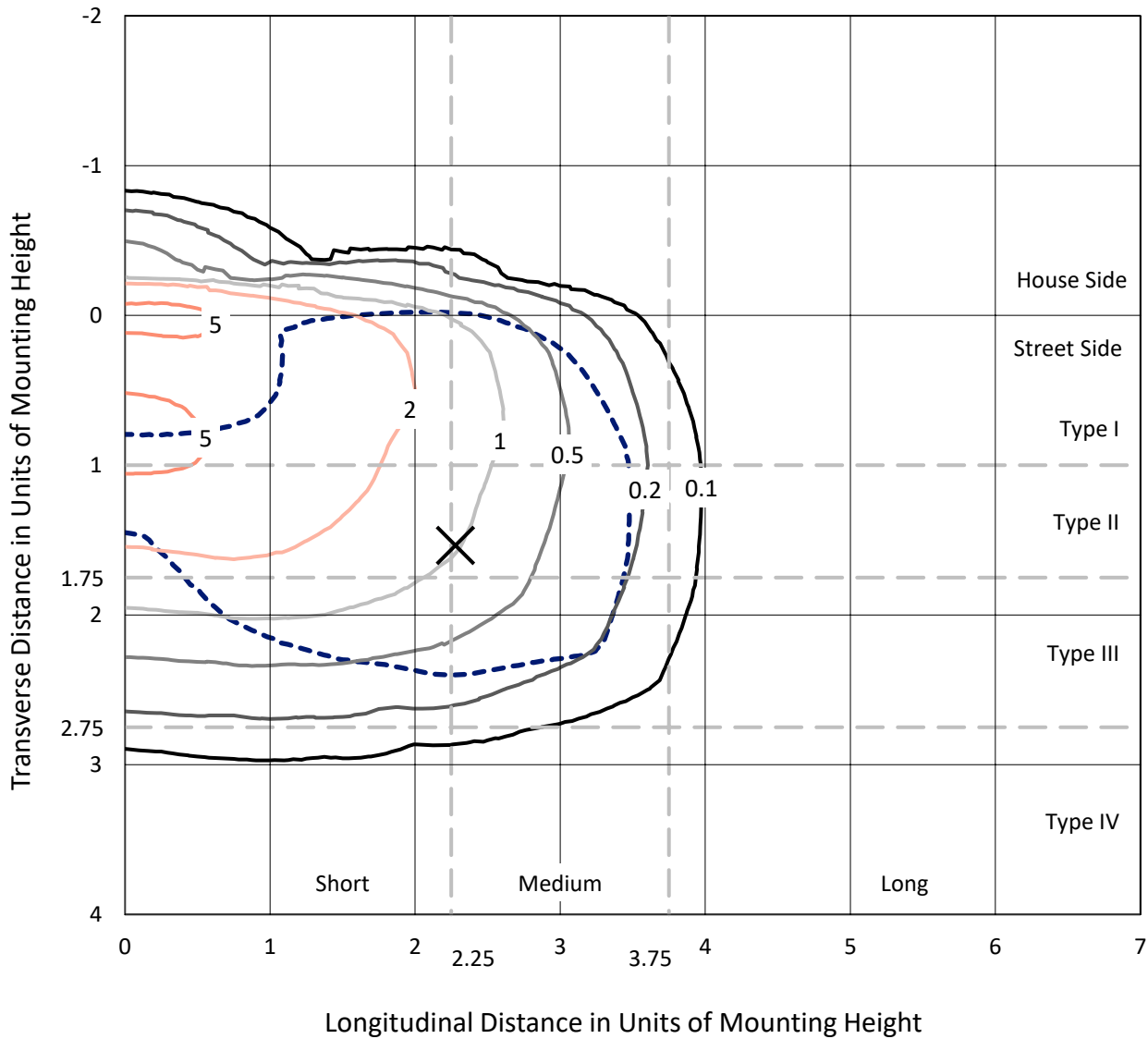
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

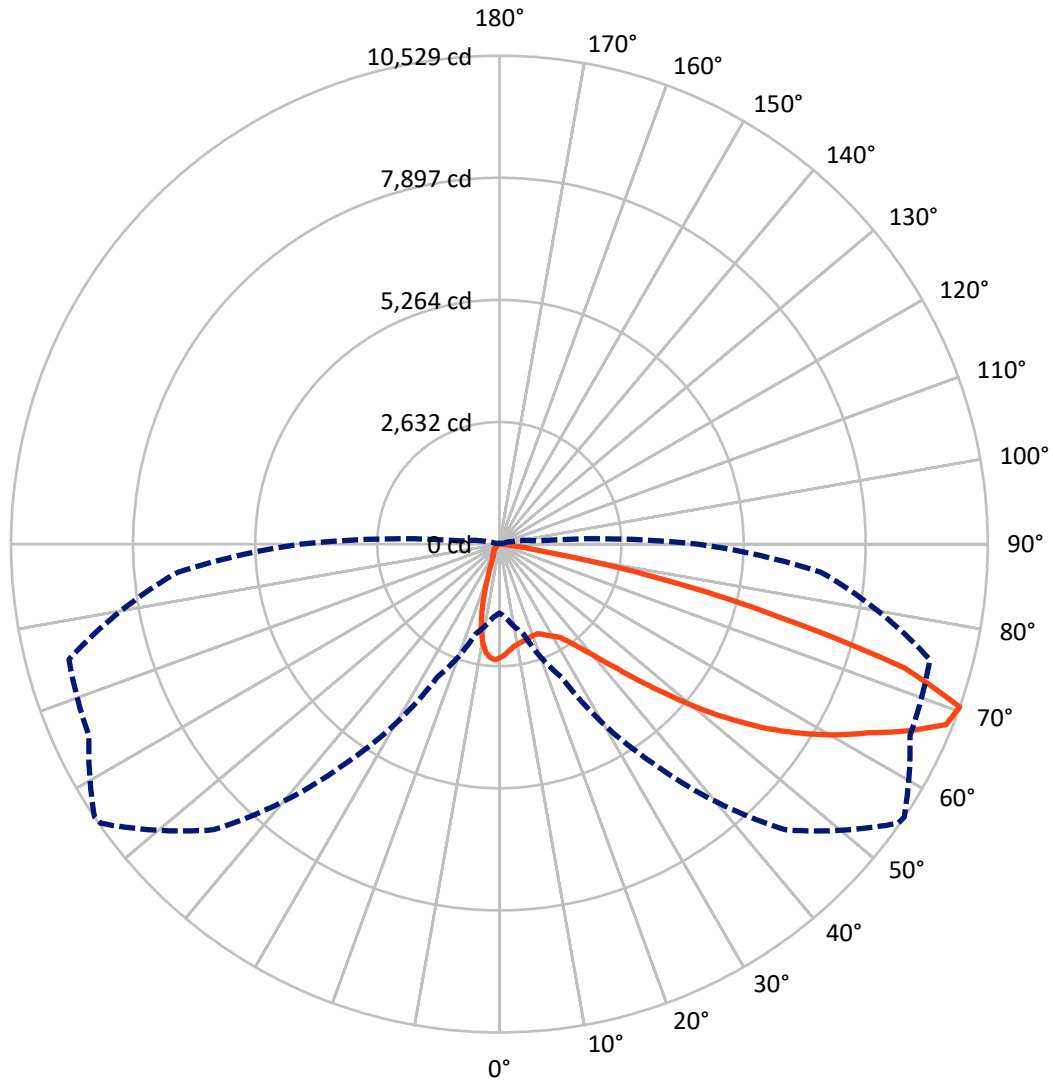
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.5 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	1220.4	0.0	1220.4
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	12367.0	0.0	12367.0
	% Fixture	91.0	0.0	91.0
Total	Lumens	13587.4	0.0	13587.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.3	1.5
10°-20°	473.1	3.5
20°-30°	749.4	5.5
30°-40°	1292.3	9.5
40°-50°	2182.3	16.1
50°-60°	3206.5	23.6
60°-70°	3801.5	28.0
70°-80°	1621.1	11.9
80°-90°	50.9	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°	13587.4	100.0
0°-180°	13587.4	100.0

Coefficient of Utilization



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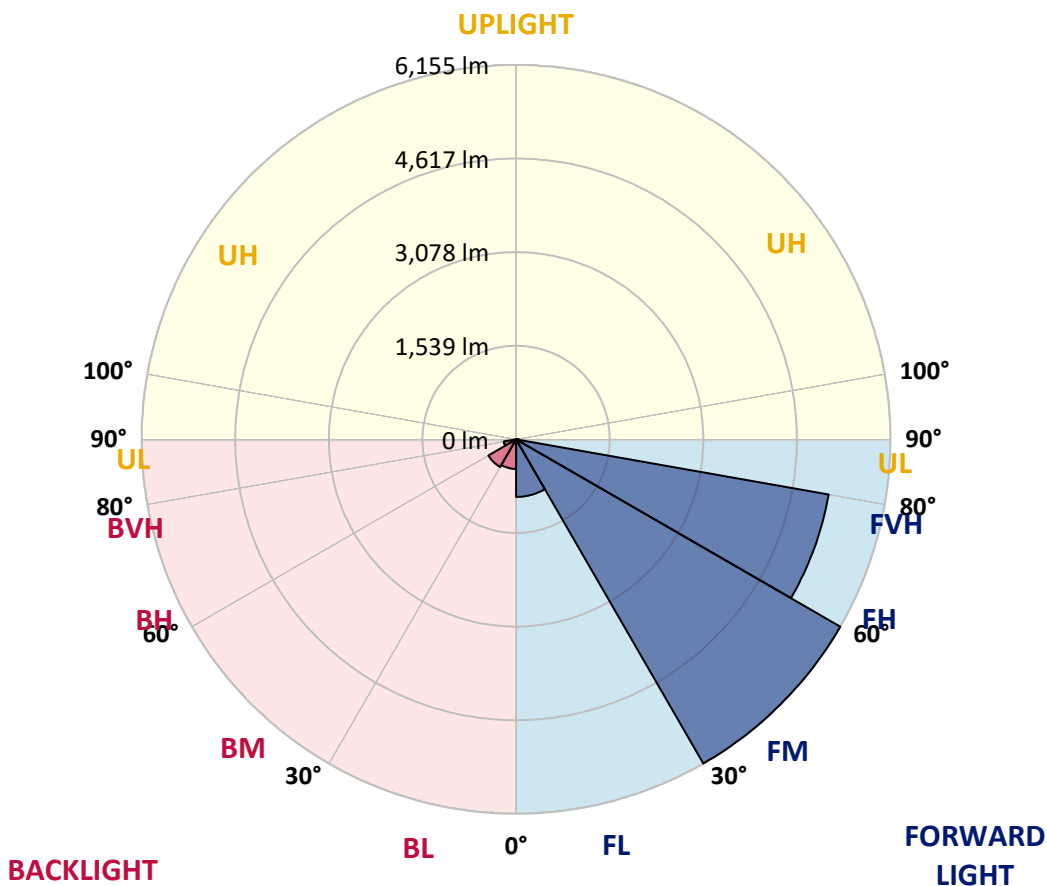
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	946.8	7.0			
FM (30°-60°)	6155.4	45.3			
FH (60°-80°)	5219.0	38.4			G3/7500
FVH (80°-90°)	45.7	0.3			G1/100
BL (0°-30°)	486.0	3.6	B1/500		
BM (30°-60°)	525.6	3.9	B1/1000		
BH (60°-80°)	203.6	1.5	B1/500		G1/500
BVH (80°-90°)	5.2	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-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2449.9	2449.9	2449.9	2449.9	2449.9	2449.9	2449.9	2449.9	2449.9	2449.9	2449.9
2.5°	2280.7	2277.0	2279.5	2298.1	2333.0	2349.2	2376.5	2381.5	2403.9	2432.5	2443.7
5°	2132.7	2120.2	2126.4	2152.6	2192.4	2237.2	2288.2	2301.9	2357.9	2421.3	2468.6
7.5°	1997.0	1983.3	1998.3	2039.3	2095.3	2143.9	2219.8	2228.5	2318.1	2430.0	2515.9
10°	1784.3	1788.0	1817.9	1890.0	1975.9	2076.7	2178.7	2191.1	2301.9	2458.7	2591.8
12.5°	1621.3	1612.6	1644.9	1727.0	1847.7	1994.5	2147.6	2163.8	2303.1	2502.2	2688.8
15°	1545.4	1542.9	1556.6	1616.3	1733.3	1906.2	2119.0	2140.1	2319.3	2542.0	2780.9
17.5°	1547.9	1544.1	1542.9	1577.7	1664.8	1840.3	2087.9	2115.2	2333.0	2585.6	2878.0
20°	1656.1	1638.7	1607.6	1591.4	1643.7	1798.0	2066.7	2097.8	2352.9	2631.6	2981.2
22.5°	1882.6	1888.8	1805.4	1718.3	1693.4	1802.9	2064.2	2100.3	2396.4	2703.8	3108.2
25°	2335.5	2325.5	2171.2	1975.9	1840.3	1860.2	2107.8	2151.3	2482.3	2807.0	3227.6
27.5°	2902.9	2911.6	2700.0	2389.0	2105.3	1978.4	2187.4	2231.0	2581.8	2871.7	3307.2
30°	3521.3	3512.5	3286.1	2941.4	2481.1	2175.0	2267.0	2305.6	2631.6	2906.6	3389.4
32.5°	4106.1	4086.1	3862.2	3501.3	2960.1	2484.8	2376.5	2398.9	2697.6	2982.5	3500.1
35°	4605.0	4603.8	4408.4	4023.9	3452.8	2873.0	2564.4	2583.1	2820.7	3103.2	3663.1
37.5°	5120.1	5102.7	4883.7	4532.8	3959.2	3298.5	2851.8	2844.4	3014.8	3281.1	3863.4
40°	5543.2	5532.0	5364.0	5026.8	4485.6	3768.9	3200.2	3177.8	3245.0	3527.5	4142.1
42.5°	5856.7	5858.0	5805.7	5600.4	5043.0	4312.6	3638.2	3603.4	3602.1	3899.5	4510.4
45°	6094.4	6110.6	6188.9	6157.8	5701.2	4945.9	4199.4	4163.3	4102.3	4382.3	4932.2
47.5°	6205.1	6226.3	6462.7	6587.1	6277.3	5574.3	4867.5	4791.6	4672.2	5024.3	5403.8
50°	6193.9	6231.2	6561.0	6939.2	6799.9	6211.3	5595.4	5559.3	5364.0	5703.7	5870.4
52.5°	5940.1	6019.7	6567.2	7153.2	7201.8	6798.6	6348.2	6281.0	6186.5	6412.9	6308.4
55°	5250.8	5347.8	6304.7	7221.7	7515.3	7311.3	7084.8	7030.1	6873.3	7082.3	6690.4
57.5°	4876.2	4959.6	5752.2	7188.1	7781.6	7785.3	7740.5	7695.7	7566.3	7744.3	7138.3
60°	4651.0	4734.4	5457.3	7064.9	8023.0	8285.5	8356.4	8351.5	8164.8	8497.0	7663.4
62.5°	4321.3	4435.8	5150.0	6745.1	8194.7	8778.2	8992.3	8958.7	8750.9	9280.9	8183.5
65°	3655.6	3755.2	4520.4	6217.6	8093.9	9186.4	9681.6	9699.0	9458.9	10018.8	8594.1
67.5°	2563.2	2636.6	3396.8	5110.2	7409.6	9320.7	10387.1	10385.8	9976.5	10397.0	8412.4
70°	1485.6	1586.4	2007.0	3159.2	5764.6	8709.8	10492.8	10528.9	9766.2	9606.9	6961.6
72.5°	574.8	658.2	1137.3	1678.5	3006.1	6671.7	9025.9	9131.6	8173.5	7410.8	4845.1
75°	171.7	191.6	535.0	893.4	1206.9	3222.6	6110.6	6140.4	5606.6	4622.4	2483.5
77.5°	128.2	141.8	233.9	451.7	423.0	976.7	3161.7	3452.8	2976.3	1651.1	684.3
80°	87.1	103.3	166.7	220.2	156.8	260.1	888.4	975.5	908.3	370.8	171.7
82.5°	38.6	49.8	118.2	110.7	57.2	74.7	273.7	291.2	187.9	112.0	59.7
85°	3.7	5.0	44.8	48.5	21.2	17.4	57.2	57.2	41.1	38.6	24.9
87.5°	0.0	0.0	1.2	2.5	2.5	3.7	5.0	6.2	7.5	10.0	12.4
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°	2449.9	2449.9	2449.9	2449.9	2449.9	2449.9	2449.9	2449.9	2449.9	2449.9	2449.9
2.5°	2472.3	2457.4	2476.1	2491.0	2494.7	2467.4	2451.2	2427.5	2422.6	2423.8	2417.6
5°	2505.9	2498.5	2512.2	2496.0	2453.7	2374.0	2305.6	2229.7	2188.7	2165.0	2162.5
7.5°	2568.1	2564.4	2549.5	2476.1	2344.2	2167.5	1997.0	1830.3	1727.0	1689.7	1683.5
10°	2660.2	2652.8	2591.8	2417.6	2136.4	1796.7	1510.5	1271.6	1126.1	1083.7	1031.5
12.5°	2766.0	2751.1	2617.9	2291.9	1822.8	1352.5	995.4	727.9	602.2	564.9	564.9
15°	2868.0	2835.7	2603.0	2084.1	1437.1	879.7	556.2	420.6	382.0	372.0	372.0
17.5°	2972.5	2910.3	2544.5	1800.4	992.9	520.1	370.8	344.7	339.7	340.9	342.2
20°	3070.8	2973.8	2441.2	1459.5	633.3	363.3	332.2	326.0	323.5	326.0	324.8
22.5°	3177.8	3032.3	2284.5	1087.5	411.8	327.2	316.0	311.1	308.6	312.3	312.3
25°	3283.6	3074.6	2076.7	731.6	327.2	304.8	298.6	293.6	291.2	292.4	292.4
27.5°	3338.3	3058.4	1804.2	466.6	293.6	282.4	276.2	270.0	266.3	265.0	266.3
30°	3375.7	3008.6	1470.7	332.2	266.3	252.6	246.4	241.4	231.4	225.2	227.7
32.5°	3434.2	2958.8	1108.6	278.7	243.9	222.7	212.8	200.3	186.6	180.4	180.4
35°	3503.8	2890.4	777.7	251.3	220.2	197.8	179.2	158.0	141.8	136.9	136.9
37.5°	3595.9	2825.7	517.6	232.7	200.3	176.7	150.6	125.7	108.3	105.8	104.5
40°	3734.0	2771.0	364.6	219.0	182.9	154.3	123.2	97.1	84.6	80.9	80.9
42.5°	3913.2	2715.0	288.7	205.3	168.0	133.1	98.3	77.1	67.2	64.7	63.5
45°	4134.7	2649.0	251.3	192.9	153.0	110.7	78.4	64.7	57.2	54.7	54.7
47.5°	4374.8	2559.4	233.9	176.7	135.6	89.6	65.9	56.0	52.3	51.0	49.8
50°	4611.2	2438.7	219.0	161.8	115.7	73.4	57.2	51.0	48.5	47.3	47.3
52.5°	4817.8	2298.1	200.3	144.3	94.6	63.5	51.0	47.3	44.8	42.3	41.1
55°	4994.5	2145.1	176.7	124.4	77.1	56.0	47.3	43.5	41.1	38.6	37.3
57.5°	5222.2	2058.0	141.8	100.8	63.5	49.8	43.5	39.8	37.3	33.6	33.6
60°	5474.7	1994.5	105.8	79.6	54.7	46.0	39.8	36.1	33.6	29.9	29.9
62.5°	5677.6	1900.0	83.4	64.7	47.3	41.1	36.1	32.4	29.9	26.1	26.1
65°	5754.7	1704.6	68.4	51.0	38.6	36.1	32.4	29.9	26.1	22.4	22.4
67.5°	5406.3	1313.9	57.2	41.1	32.4	31.1	28.6	27.4	22.4	19.9	18.7
70°	4281.5	801.3	47.3	33.6	27.4	26.1	26.1	23.6	19.9	18.7	17.4
72.5°	2934.0	413.1	38.6	27.4	23.6	23.6	22.4	21.2	18.7	17.4	17.4
75°	1524.2	138.1	29.9	21.2	18.7	19.9	19.9	18.7	17.4	17.4	16.2
77.5°	436.7	62.2	22.4	16.2	14.9	14.9	16.2	16.2	16.2	14.9	14.9
80°	113.2	36.1	16.2	12.4	12.4	12.4	12.4	13.7	14.9	13.7	13.7
82.5°	46.0	19.9	11.2	10.0	10.0	10.0	10.0	11.2	12.4	12.4	12.4
85°	28.6	10.0	8.7	8.7	8.7	7.5	7.5	8.7	8.7	10.0	10.0
87.5°	17.4	7.5	7.5	7.5	7.5	6.2	6.2	6.2	6.2	6.2	6.2
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)