

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: P634094

Luminaire Tested: GWS-SA3B-722-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-722-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6179 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

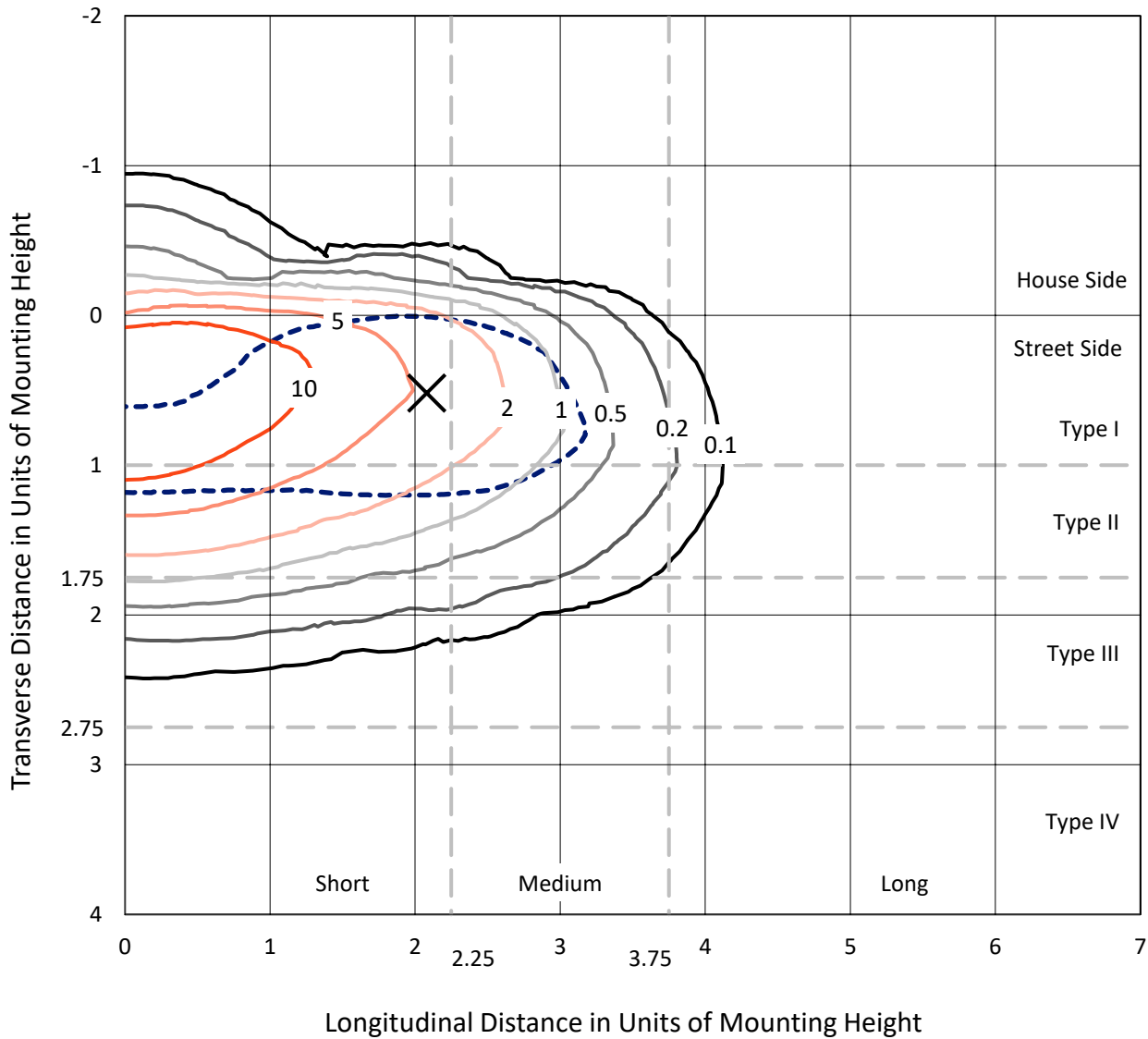
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

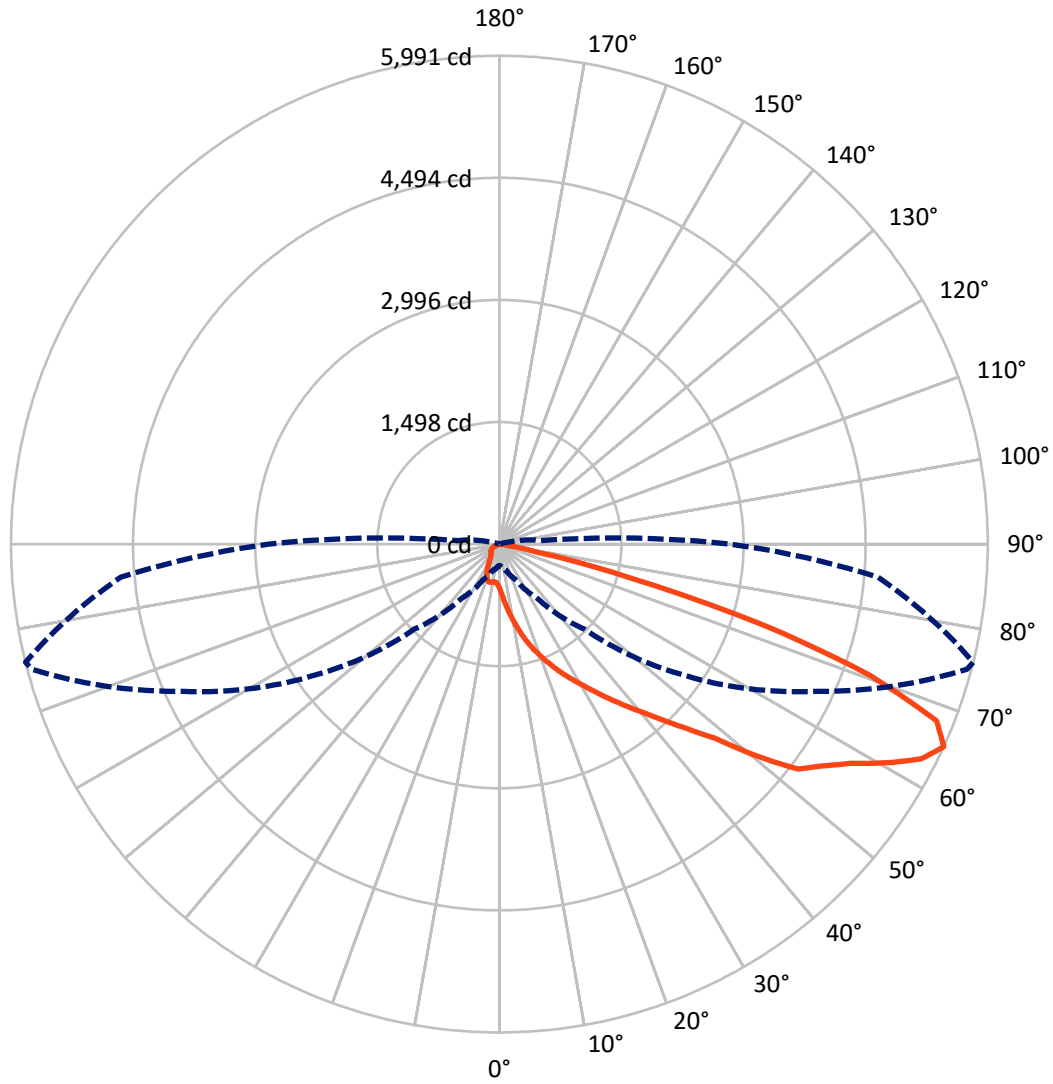
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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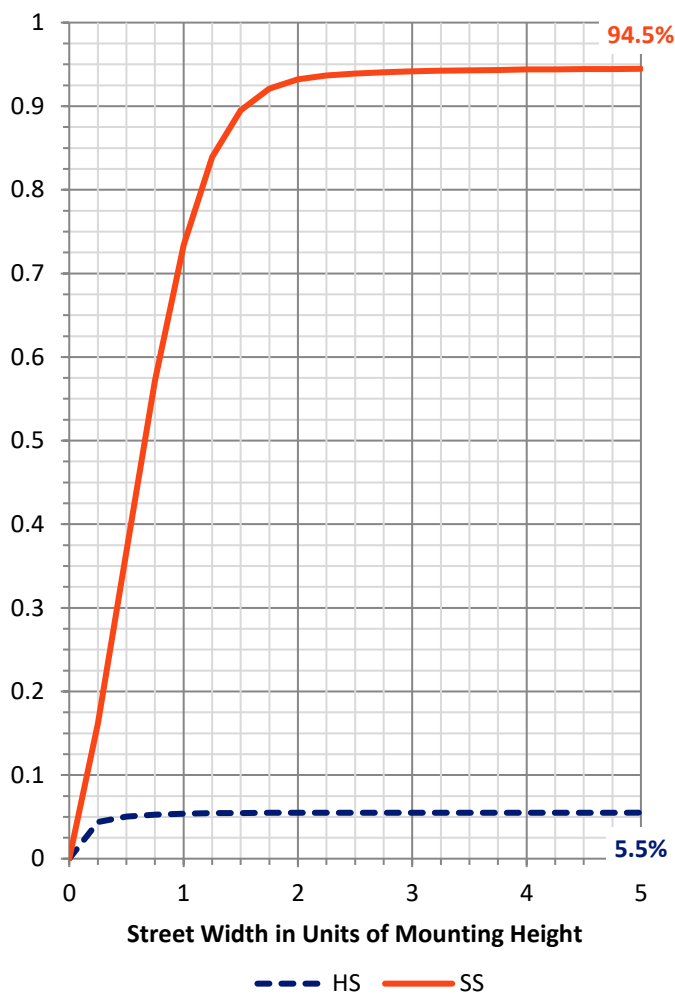
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	341.6	0.0	341.6
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	5837.3	0.0	5837.3
	% Fixture	94.5	0.0	94.5
Total	Lumens	6179.0	0.0	6179.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	1.1
10°-20°	252.5	4.1
20°-30°	515.2	8.3
30°-40°	916.3	14.8
40°-50°	1354.5	21.9
50°-60°	1550.8	25.1
60°-70°	1183.2	19.1
70°-80°	331.4	5.4
80°-90°	8.3	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°	6179.0	100.0
0°-180°	6179.0	100.0

Coefficient of Utilization



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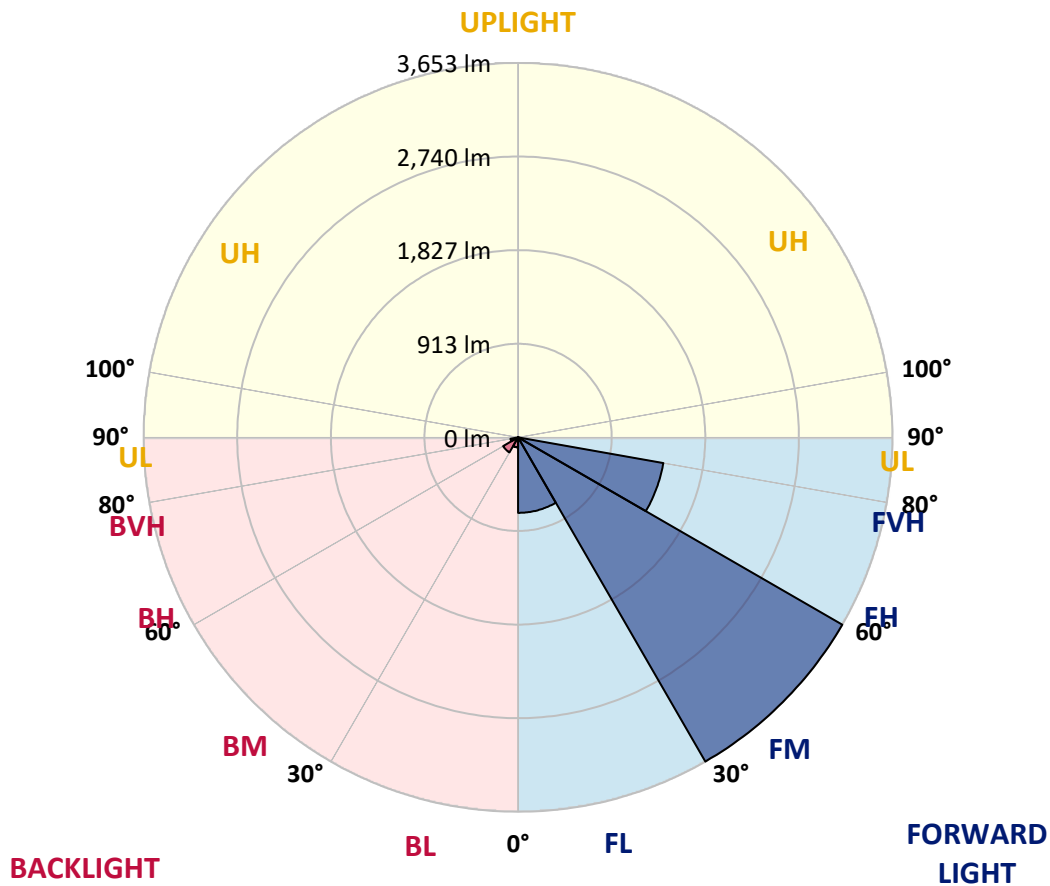
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	736.8	11.9			
FM (30°-60°)	3653.1	59.1			
FH (60°-80°)	1439.6	23.3			G1/1800
FVH (80°-90°)	7.9	0.1			G0/10
BL (0°-30°)	97.5	1.6	B0/110		
BM (30°-60°)	168.6	2.7	B0/220		
BH (60°-80°)	75.1	1.2	B0/110		G0/110
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	547.1	547.1	547.1	547.1	547.1	547.1	547.1	547.1	547.1	547.1	547.1
2.5°	843.1	855.8	845.9	829.4	797.5	766.8	727.2	672.8	629.5	624.0	583.3
5°	1138.6	1137.5	1116.1	1094.7	1061.2	1008.4	928.8	827.7	730.5	722.3	631.1
7.5°	1314.4	1316.0	1304.0	1287.5	1254.5	1200.1	1117.2	995.3	853.0	836.5	696.5
10°	1462.1	1461.6	1452.8	1445.1	1415.5	1379.2	1290.2	1156.2	984.8	959.0	769.5
12.5°	1573.1	1576.9	1581.3	1589.0	1576.4	1540.7	1456.6	1310.5	1118.3	1089.7	853.0
15°	1661.0	1662.1	1678.6	1708.2	1718.6	1700.0	1623.6	1459.9	1250.1	1225.4	949.1
17.5°	1687.3	1689.5	1717.5	1771.9	1826.9	1837.3	1779.6	1610.4	1379.8	1353.4	1042.5
20°	1742.8	1747.8	1768.6	1816.4	1885.6	1941.6	1919.1	1762.6	1509.4	1474.8	1138.1
22.5°	1917.5	1920.2	1913.1	1919.1	1954.8	2019.6	2033.4	1909.8	1642.3	1605.5	1241.3
25°	2217.9	2219.0	2169.0	2121.8	2094.9	2107.0	2137.2	2045.5	1774.1	1737.9	1337.5
27.5°	2529.9	2533.8	2473.9	2393.7	2297.6	2242.6	2233.9	2169.6	1907.0	1866.9	1432.5
30°	2823.8	2823.8	2760.6	2662.8	2534.3	2427.2	2364.0	2294.8	2049.3	2005.4	1529.7
32.5°	3088.0	3085.8	3005.0	2899.0	2772.1	2654.6	2521.7	2425.5	2207.5	2158.6	1641.7
35°	3306.0	3300.5	3208.8	3107.2	2971.5	2884.2	2735.9	2566.2	2378.9	2330.0	1757.1
37.5°	3470.8	3464.8	3380.7	3273.1	3147.3	3090.7	2966.6	2734.8	2559.6	2515.1	1885.1
40°	3560.3	3548.2	3490.0	3409.8	3304.4	3254.9	3203.3	2944.1	2772.1	2716.7	2036.1
42.5°	3586.7	3572.4	3534.0	3496.6	3432.9	3393.9	3449.4	3180.2	3005.6	2957.8	2208.6
45°	3508.7	3500.5	3497.2	3524.1	3535.6	3546.6	3683.4	3441.7	3263.2	3226.9	2425.5
47.5°	3320.8	3318.7	3347.8	3459.8	3581.8	3697.6	3937.7	3764.1	3597.1	3558.1	2728.7
50°	2973.7	2996.2	3077.5	3274.2	3518.0	3783.3	4175.5	4211.2	4137.6	4080.5	3124.2
52.5°	2431.0	2474.4	2656.8	2955.6	3306.0	3759.2	4285.4	4569.3	4644.6	4585.3	3407.6
55°	1907.6	1948.2	2110.8	2489.8	2957.2	3575.2	4290.3	4692.9	4857.1	4802.2	3599.3
57.5°	1420.9	1458.3	1606.0	1968.6	2482.7	3213.2	4172.8	4761.6	5109.3	5074.1	3902.0
60°	928.8	965.6	1099.1	1416.0	1925.7	2685.9	3883.3	4747.3	5452.5	5449.2	4273.8
62.5°	515.2	544.3	641.0	888.2	1344.0	2080.1	3428.5	4603.9	5784.8	5805.7	4580.3
65°	263.6	282.3	341.1	488.3	813.5	1474.8	2830.4	4275.5	5938.6	5991.4	4661.1
67.5°	172.5	178.5	192.8	253.8	435.6	927.7	2130.0	3748.7	5722.2	5783.7	4390.3
70°	140.1	145.0	153.2	169.2	224.6	492.7	1399.0	2994.0	4781.3	4823.1	3496.1
72.5°	102.7	109.3	125.2	135.7	162.0	270.2	727.8	1965.3	3283.5	3357.1	2197.1
75°	75.8	79.6	92.8	107.1	132.4	170.8	278.5	1033.2	1695.6	1652.7	922.8
77.5°	45.6	48.3	59.3	68.7	94.5	106.6	97.2	381.7	515.8	485.0	223.0
80°	22.5	25.3	39.0	51.6	60.4	42.8	40.6	106.6	114.8	114.8	56.0
82.5°	7.7	9.9	20.9	34.1	29.7	16.5	19.2	27.5	30.8	32.4	16.5
85°	0.0	0.0	4.9	9.9	4.4	2.2	4.9	6.0	7.7	8.2	5.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.6	2.2	2.2
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°	547.1	547.1	547.1	547.1	547.1	547.1	547.1	547.1	547.1	547.1	547.1
2.5°	561.3	535.5	496.5	461.4	434.5	409.2	390.0	374.6	371.9	363.1	364.2
5°	586.6	539.9	468.0	412.5	373.5	347.1	325.2	308.7	301.5	294.4	288.9
7.5°	625.6	558.1	457.0	389.4	343.8	303.2	269.1	241.7	228.5	220.3	214.8
10°	673.4	583.3	457.5	375.7	308.1	246.1	199.4	169.2	154.9	150.5	149.9
12.5°	730.5	615.2	461.9	353.2	256.5	182.9	147.8	134.0	129.6	125.8	125.8
15°	790.9	650.9	461.9	312.0	195.5	142.8	128.0	119.2	113.7	111.5	110.4
17.5°	854.7	684.4	450.9	255.4	149.9	125.8	113.7	105.5	101.1	97.8	96.7
20°	922.8	716.2	423.5	195.5	128.5	112.6	101.1	92.8	88.4	85.1	85.1
22.5°	992.0	745.9	379.0	150.5	113.7	100.0	89.0	81.3	76.9	73.6	73.6
25°	1056.2	765.7	321.9	124.1	102.7	89.0	79.1	71.4	66.5	64.3	63.2
27.5°	1116.1	778.3	258.7	109.3	92.3	79.6	69.2	62.1	58.2	56.6	55.5
30°	1178.2	781.6	197.7	99.4	83.5	70.3	60.4	54.9	51.6	49.4	49.4
32.5°	1238.6	777.8	151.0	91.2	75.8	62.1	53.8	48.9	46.1	44.5	43.9
35°	1300.1	760.2	122.5	84.0	68.1	54.4	47.8	43.9	42.3	40.1	40.1
37.5°	1367.1	736.6	106.6	76.9	60.4	48.9	42.8	40.1	37.9	36.3	35.7
40°	1450.6	709.1	97.8	70.9	53.3	43.9	38.4	35.7	34.1	32.4	31.9
42.5°	1549.5	682.2	93.4	64.3	47.8	39.0	34.6	31.3	29.7	27.5	26.9
45°	1689.5	676.1	88.4	57.1	42.8	35.2	30.2	26.9	24.7	23.1	22.5
47.5°	1914.7	693.2	80.2	49.4	37.9	30.8	25.8	23.1	20.3	18.7	17.6
50°	2138.3	688.8	72.0	42.8	33.5	26.4	22.0	19.2	16.5	14.8	14.3
52.5°	2260.2	667.9	64.3	37.9	29.1	22.5	18.7	15.4	13.7	12.1	11.5
55°	2370.6	659.7	56.6	33.0	24.7	19.8	15.4	12.6	11.5	9.9	9.3
57.5°	2587.0	678.9	50.0	28.6	21.4	17.0	13.2	10.4	9.3	7.7	7.1
60°	2813.3	681.1	42.8	24.7	18.7	14.3	10.4	8.2	7.1	5.5	4.9
62.5°	2931.4	625.6	35.2	20.9	15.4	12.1	8.8	6.6	5.5	3.3	3.3
65°	2832.6	505.9	29.7	17.0	12.1	9.3	6.6	4.9	3.3	1.6	0.5
67.5°	2506.8	359.8	24.7	13.7	8.8	6.6	4.9	3.3	0.5	0.0	0.0
70°	1835.6	205.4	19.2	9.9	6.6	4.4	3.3	1.6	0.0	0.0	0.0
72.5°	1128.2	109.9	14.3	6.6	4.9	3.3	2.7	1.1	0.0	0.0	0.0
75°	427.9	52.7	8.8	4.4	3.8	2.7	1.6	0.5	0.0	0.0	0.0
77.5°	115.9	25.8	4.9	3.3	2.7	1.6	1.1	0.0	0.0	0.0	0.0
80°	30.2	12.1	3.3	2.2	1.6	1.1	0.0	0.0	0.0	0.0	0.0
82.5°	10.4	5.5	1.6	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0
85°	4.4	2.2	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	0.5	0.5	0.5	0.5	0.0	0.0	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)