

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: P635194

Luminaire Tested: GWS-SA3D-730-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635194
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-SA3D-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12924 lumens
Efficiency: N/A
Efficacy: 107.0 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

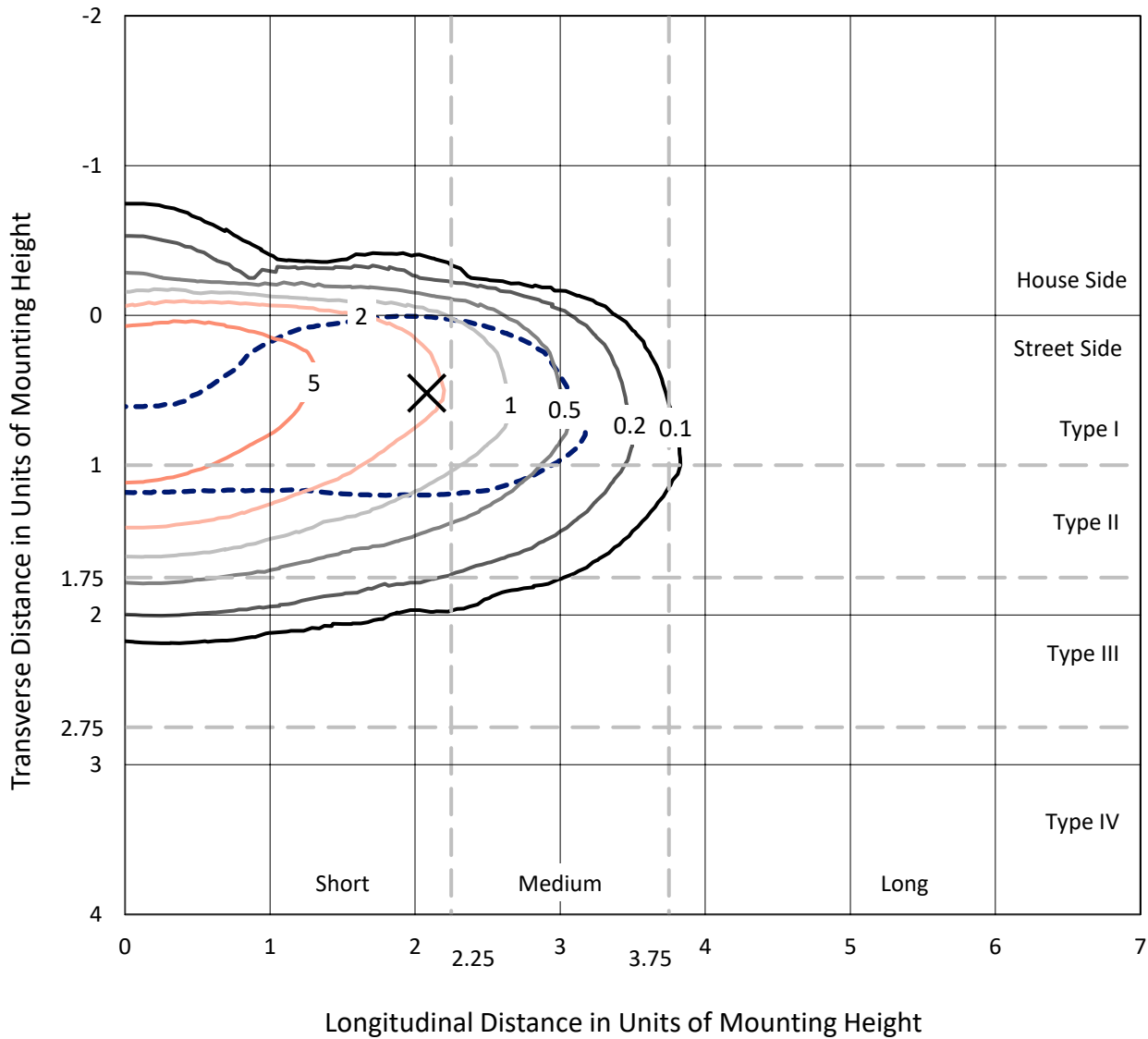
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

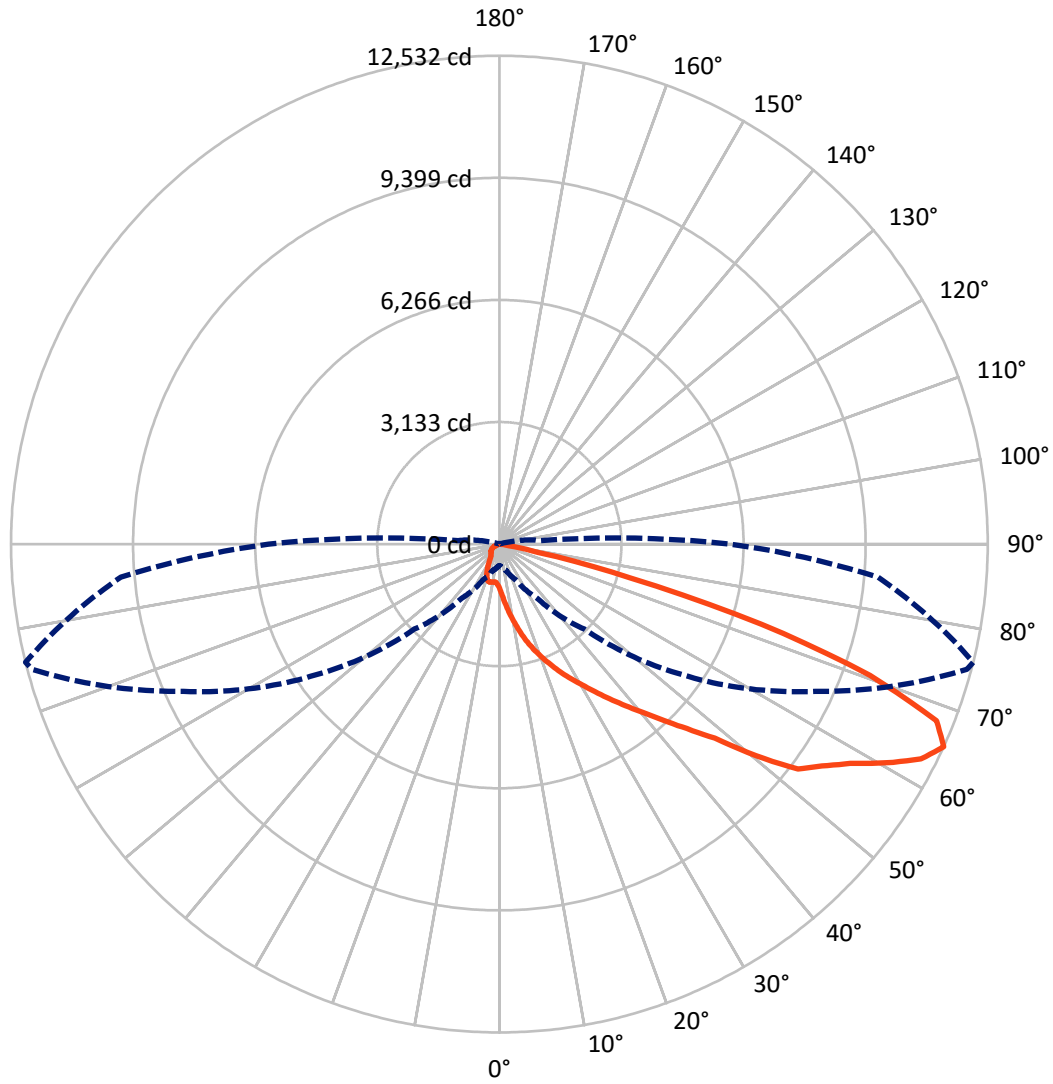
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.7 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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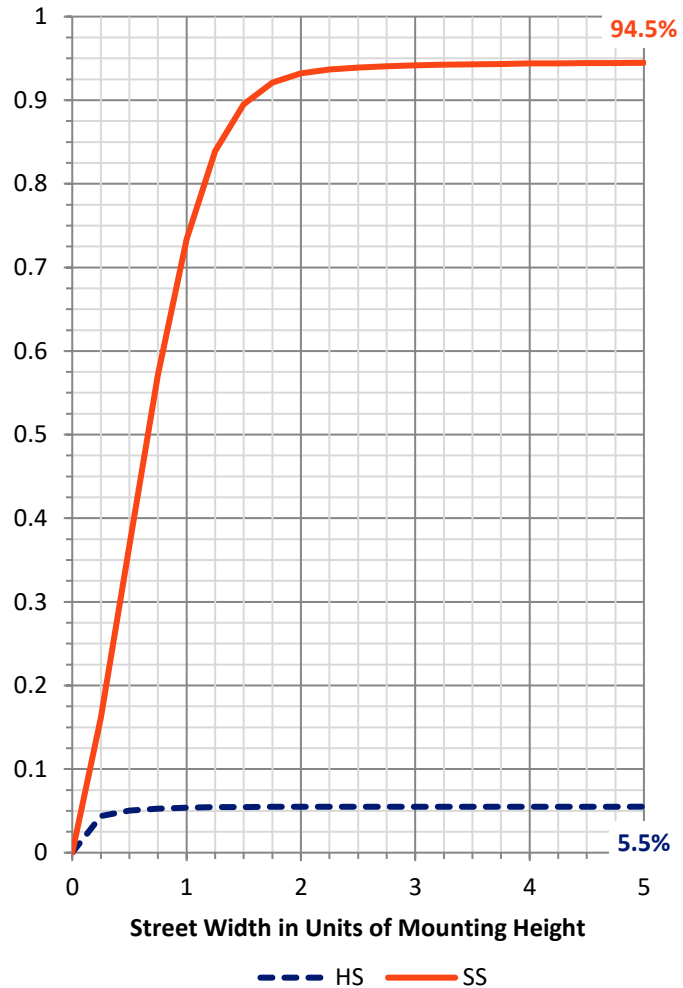
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	714.6	0.0	714.6
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	12209.4	0.0	12209.4
	% Fixture	94.5	0.0	94.5
Total	Lumens	12924.0	0.0	12924.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.2	1.1
10°-20°	528.2	4.1
20°-30°	1077.6	8.3
30°-40°	1916.6	14.8
40°-50°	2833.2	21.9
50°-60°	3243.7	25.1
60°-70°	2474.8	19.1
70°-80°	693.2	5.4
80°-90°	17.4	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°	12924.0	100.0
0°-180°	12924.0	100.0

Coefficient of Utilization



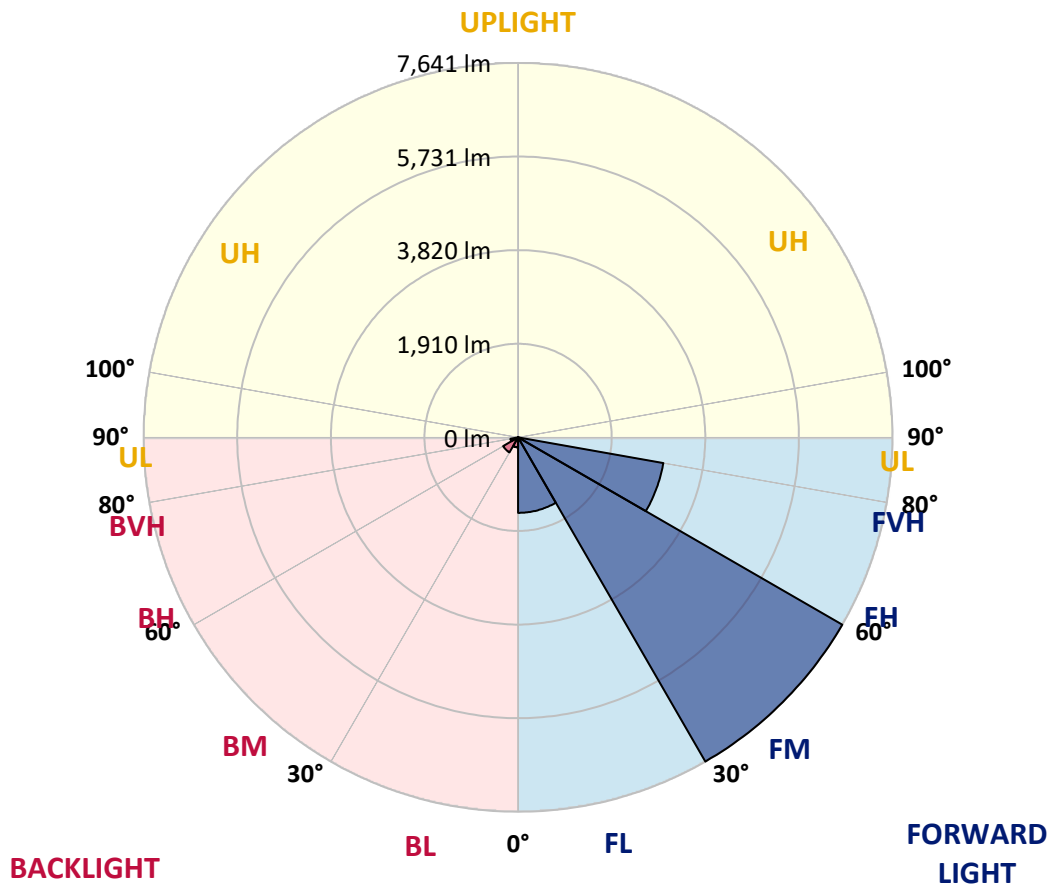
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1541.1	11.9			
FM (30°-60°)	7640.9	59.1			
FH (60°-80°)	3011.0	23.3			G2/5000
FVH (80°-90°)	16.4	0.1			G1/100
BL (0°-30°)	203.9	1.6	B1/500		
BM (30°-60°)	352.6	2.7	B1/1000		
BH (60°-80°)	157.1	1.2	B1/500		G1/500
BVH (80°-90°)	1.0	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2
2.5°	1763.5	1789.9	1769.2	1734.7	1668.1	1603.8	1521.1	1407.3	1316.6	1305.1	1220.1
5°	2381.5	2379.2	2334.4	2289.6	2219.6	2109.3	1942.7	1731.3	1528.0	1510.7	1320.0
7.5°	2749.2	2752.6	2727.3	2692.9	2624.0	2510.2	2336.7	2081.7	1784.1	1749.7	1456.7
10°	3058.2	3057.1	3038.7	3022.6	2960.6	2884.7	2698.6	2418.3	2059.9	2005.9	1609.5
12.5°	3290.3	3298.3	3307.5	3323.6	3297.2	3222.5	3046.7	2741.1	2339.0	2279.3	1784.1
15°	3474.1	3476.4	3510.9	3572.9	3594.7	3555.7	3396.0	3053.6	2614.8	2563.1	1985.2
17.5°	3529.2	3533.8	3592.4	3706.2	3821.0	3842.9	3722.2	3368.4	2885.9	2830.7	2180.5
20°	3645.3	3655.6	3699.3	3799.2	3944.0	4061.2	4014.0	3686.6	3157.0	3084.6	2380.4
22.5°	4010.6	4016.3	4001.4	4014.0	4088.7	4224.3	4253.0	3994.5	3435.0	3358.1	2596.4
25°	4639.0	4641.3	4536.8	4438.0	4381.7	4407.0	4470.1	4278.3	3710.8	3634.9	2797.4
27.5°	5291.6	5299.6	5174.4	5006.6	4805.6	4690.7	4672.3	4537.9	3988.8	3904.9	2996.2
30°	5906.2	5906.2	5774.1	5569.6	5300.8	5076.7	4944.6	4799.9	4286.3	4194.4	3199.5
32.5°	6458.8	6454.2	6285.3	6063.6	5798.2	5552.3	5274.3	5073.3	4617.2	4514.9	3433.9
35°	6914.9	6903.4	6711.5	6499.0	6215.2	6032.6	5722.4	5367.4	4975.6	4873.4	3675.1
37.5°	7259.5	7246.9	7071.1	6845.9	6582.9	6464.5	6204.9	5720.1	5353.6	5260.5	3942.8
40°	7446.8	7421.5	7299.7	7132.0	6911.4	6808.0	6700.0	6157.8	5798.2	5682.2	4258.8
42.5°	7501.9	7472.1	7391.6	7313.5	7180.3	7098.7	7214.7	6651.8	6286.5	6186.5	4619.5
45°	7338.8	7321.6	7314.7	7371.0	7395.1	7418.1	7704.1	7198.6	6825.3	6749.4	5073.3
47.5°	6945.9	6941.3	7002.2	7236.5	7491.6	7734.0	8236.0	7873.0	7523.8	7442.2	5707.4
50°	6219.8	6266.9	6437.0	6848.2	7358.3	7913.2	8733.5	8808.2	8654.2	8534.7	6534.6
52.5°	5084.8	5175.5	5556.9	6181.9	6914.9	7862.7	8963.3	9557.2	9714.6	9590.5	7127.4
55°	3989.9	4074.9	4415.0	5207.7	6185.4	7477.8	8973.6	9815.7	10159.2	10044.3	7528.4
57.5°	2972.1	3050.2	3359.2	4117.4	5192.8	6720.7	8727.7	9959.3	10686.5	10613.0	8161.4
60°	1942.7	2019.7	2298.8	2961.7	4027.8	5617.8	8122.3	9929.4	11404.5	11397.6	8939.1
62.5°	1077.6	1138.5	1340.7	1857.7	2811.2	4350.7	7171.1	9629.6	12099.6	12143.2	9580.2
65°	551.4	590.5	713.4	1021.3	1701.4	3084.6	5920.0	8942.6	12421.3	12531.6	9749.1
67.5°	360.7	373.4	403.2	530.8	911.0	1940.4	4455.2	7840.8	11968.6	12097.3	9182.7
70°	293.0	303.3	320.5	353.8	469.9	1030.5	2926.1	6262.3	10000.7	10088.0	7312.4
72.5°	214.8	228.6	261.9	283.8	338.9	565.2	1522.2	4110.6	6867.8	7021.7	4595.4
75°	158.5	166.6	194.2	224.0	276.9	357.3	582.5	2161.0	3546.5	3456.9	1930.1
77.5°	95.4	101.1	124.1	143.6	197.6	222.9	203.3	798.4	1078.8	1014.4	466.4
80°	47.1	52.8	81.6	108.0	126.4	89.6	85.0	222.9	240.1	240.1	117.2
82.5°	16.1	20.7	43.7	71.2	62.0	34.5	40.2	57.4	64.3	67.8	34.5
85°	0.0	0.0	10.3	20.7	9.2	4.6	10.3	12.6	16.1	17.2	11.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	3.4	4.6	4.6
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°	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2	1144.2
2.5°	1174.1	1120.1	1038.6	965.0	908.7	855.9	815.7	783.5	777.8	759.4	761.7
5°	1227.0	1129.3	978.8	862.8	781.2	726.1	680.1	645.6	630.7	615.8	604.3
7.5°	1308.5	1167.2	955.8	814.5	719.2	634.2	562.9	505.5	477.9	460.7	449.2
10°	1408.5	1220.1	957.0	785.8	644.5	514.7	417.0	353.8	324.0	314.8	313.6
12.5°	1528.0	1286.7	966.2	738.7	536.5	382.6	309.0	280.3	271.1	263.1	263.1
15°	1654.3	1361.4	966.2	652.5	409.0	298.7	267.7	249.3	237.8	233.2	230.9
17.5°	1787.6	1431.5	943.2	534.2	313.6	263.1	237.8	220.6	211.4	204.5	202.2
20°	1930.1	1498.1	885.8	409.0	268.8	235.5	211.4	194.2	185.0	178.1	178.1
22.5°	2074.8	1560.1	792.7	314.8	237.8	209.1	186.1	170.0	160.8	153.9	153.9
25°	2209.2	1601.5	673.2	259.6	214.8	186.1	165.4	149.3	139.0	134.4	132.1
27.5°	2334.4	1627.9	541.1	228.6	193.0	166.6	144.8	129.8	121.8	118.3	116.0
30°	2464.3	1634.8	413.6	207.9	174.6	147.1	126.4	114.9	108.0	103.4	103.4
32.5°	2590.6	1626.8	315.9	190.7	158.5	129.8	112.6	102.2	96.5	93.1	91.9
35°	2719.3	1590.0	256.2	175.8	142.5	113.7	99.9	91.9	88.5	83.9	83.9
37.5°	2859.5	1540.6	222.9	160.8	126.4	102.2	89.6	83.9	79.3	75.8	74.7
40°	3034.1	1483.2	204.5	148.2	111.4	91.9	80.4	74.7	71.2	67.8	66.6
42.5°	3240.9	1426.9	195.3	134.4	99.9	81.6	72.4	65.5	62.0	57.4	56.3
45°	3533.8	1414.2	185.0	119.5	89.6	73.5	63.2	56.3	51.7	48.3	47.1
47.5°	4004.9	1449.8	167.7	103.4	79.3	64.3	54.0	48.3	42.5	39.1	36.8
50°	4472.4	1440.6	150.5	89.6	70.1	55.1	46.0	40.2	34.5	31.0	29.9
52.5°	4727.5	1397.0	134.4	79.3	60.9	47.1	39.1	32.2	28.7	25.3	24.1
55°	4958.4	1379.8	118.3	68.9	51.7	41.4	32.2	26.4	24.1	20.7	19.5
57.5°	5411.0	1420.0	104.5	59.7	44.8	35.6	27.6	21.8	19.5	16.1	14.9
60°	5884.4	1424.6	89.6	51.7	39.1	29.9	21.8	17.2	14.9	11.5	10.3
62.5°	6131.4	1308.5	73.5	43.7	32.2	25.3	18.4	13.8	11.5	6.9	6.9
65°	5924.6	1058.1	62.0	35.6	25.3	19.5	13.8	10.3	6.9	3.4	1.1
67.5°	5243.3	752.5	51.7	28.7	18.4	13.8	10.3	6.9	1.1	0.0	0.0
70°	3839.4	429.7	40.2	20.7	13.8	9.2	6.9	3.4	0.0	0.0	0.0
72.5°	2359.7	229.8	29.9	13.8	10.3	6.9	5.7	2.3	0.0	0.0	0.0
75°	894.9	110.3	18.4	9.2	8.0	5.7	3.4	1.1	0.0	0.0	0.0
77.5°	242.4	54.0	10.3	6.9	5.7	3.4	2.3	0.0	0.0	0.0	0.0
80°	63.2	25.3	6.9	4.6	3.4	2.3	0.0	0.0	0.0	0.0	0.0
82.5°	21.8	11.5	3.4	3.4	2.3	1.1	0.0	0.0	0.0	0.0	0.0
85°	9.2	4.6	2.3	2.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.4	1.1	1.1	1.1	1.1	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)