

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: P630403

Luminaire Tested: GWS-SA1D-750-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-750-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3684.4 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

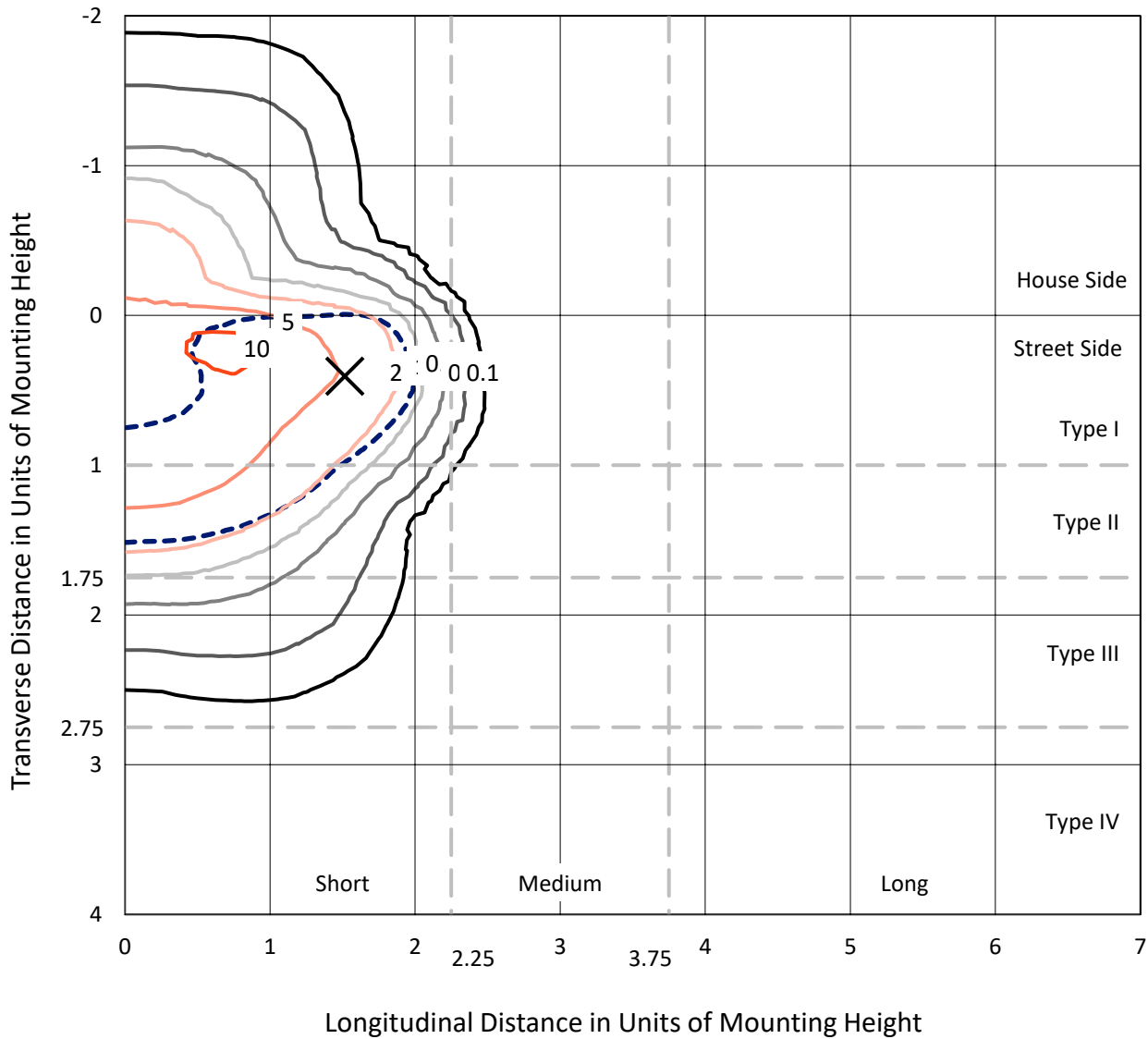
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

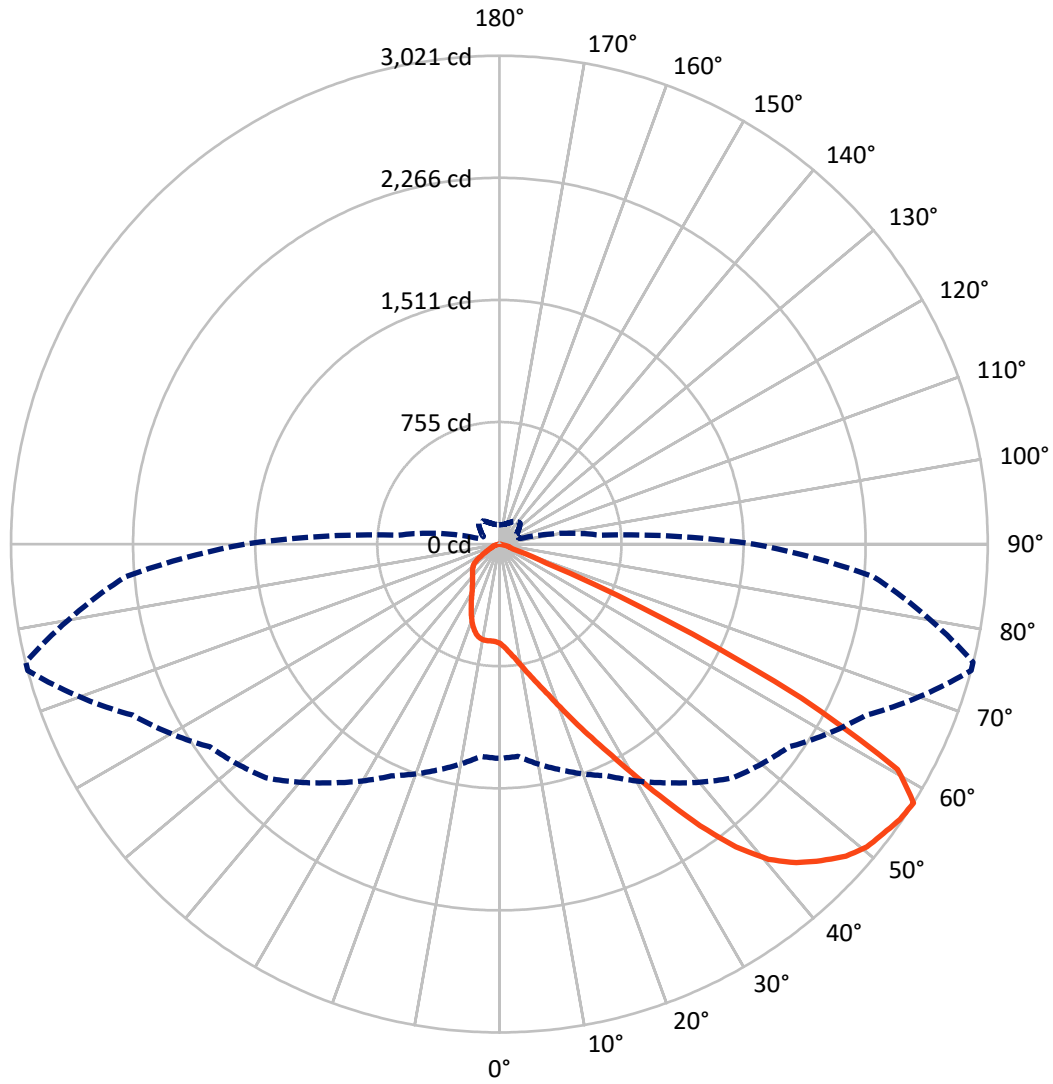
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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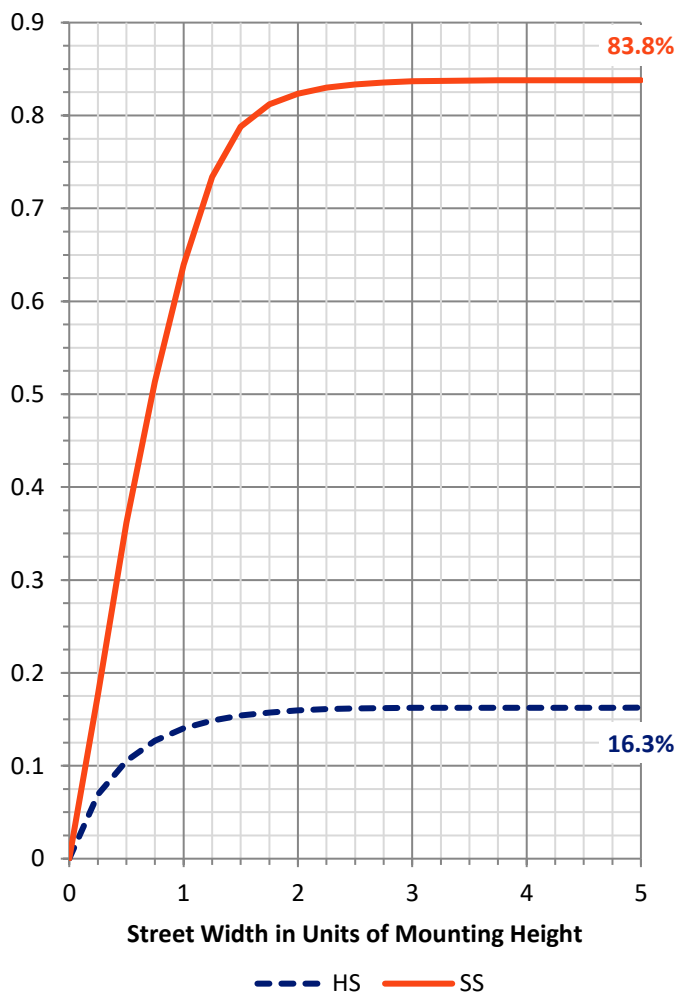
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	601.8	0.0	601.8
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	3082.6	0.0	3082.6
	% Fixture	83.7	0.0	83.7
Total	Lumens	3684.4	0.0	3684.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	1.7
10°-20°	203.1	5.5
20°-30°	372.0	10.1
30°-40°	617.1	16.8
40°-50°	942.5	25.6
50°-60°	1059.1	28.7
60°-70°	390.6	10.6
70°-80°	37.3	1.0
80°-90°	0.0	0.0
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°	3684.4	100.0
0°-180°	3684.4	100.0

Coefficient of Utilization



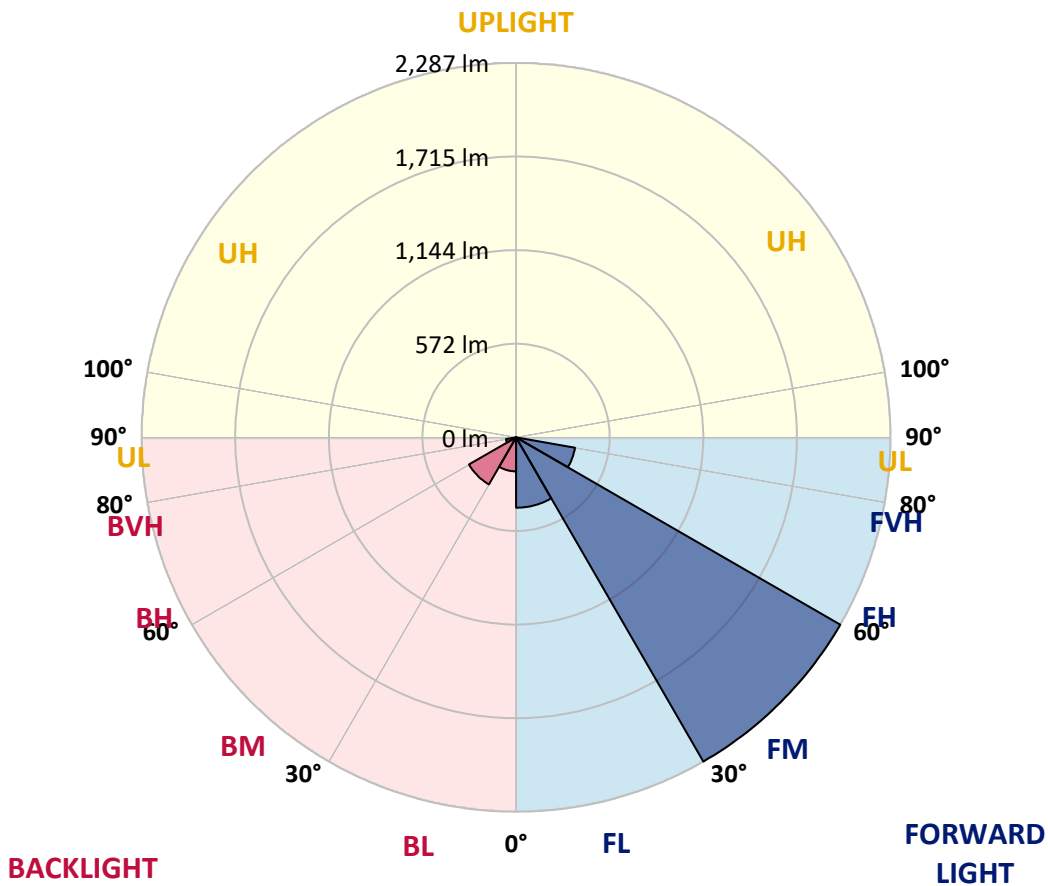
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	430.0	11.7			
FM (30°-60°)	2287.1	62.1			
FH (60°-80°)	365.5	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	207.7	5.6	B1/500		
BM (30°-60°)	331.7	9.0	B1/1000		
BH (60°-80°)	62.5	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5
2.5°	686.5	693.7	691.4	687.0	684.3	675.0	669.2	652.3	640.3	639.0	627.8
5°	773.2	771.9	770.1	764.8	760.4	745.7	728.3	699.9	674.5	671.4	647.9
7.5°	820.8	821.7	822.6	821.7	818.6	807.5	788.4	755.0	716.3	713.7	676.3
10°	840.4	842.2	846.6	855.1	862.6	861.7	850.6	816.4	768.8	764.4	714.1
12.5°	849.7	851.9	859.1	875.1	895.5	911.5	913.3	882.6	830.2	823.0	759.0
15°	862.6	864.8	873.7	894.6	924.4	956.0	976.5	956.9	898.2	890.6	808.4
17.5°	868.4	871.5	884.4	912.0	950.7	999.1	1045.4	1043.6	978.7	972.9	865.7
20°	879.5	881.7	893.3	923.1	969.8	1039.6	1117.4	1145.4	1076.9	1068.5	935.1
22.5°	914.6	915.5	920.9	939.5	983.1	1068.9	1190.8	1264.1	1193.0	1181.9	1012.9
25°	972.0	971.6	973.8	976.9	1008.9	1098.7	1261.5	1398.0	1325.9	1313.9	1101.0
27.5°	1044.9	1044.9	1050.3	1041.4	1054.3	1135.6	1331.3	1551.8	1480.7	1463.8	1197.4
30°	1130.7	1130.3	1142.8	1128.5	1132.5	1193.9	1406.4	1719.5	1667.4	1646.5	1308.6
32.5°	1247.2	1244.6	1258.8	1239.2	1225.9	1281.9	1498.0	1894.7	1891.1	1859.1	1448.2
35°	1394.4	1390.0	1394.4	1375.3	1351.3	1405.1	1618.1	2069.4	2139.2	2105.4	1614.5
37.5°	1540.7	1554.9	1559.8	1526.9	1507.4	1561.2	1762.6	2225.9	2376.2	2341.1	1787.5
40°	1713.2	1708.8	1725.7	1688.8	1676.3	1735.9	1904.0	2342.4	2563.9	2530.5	1941.3
42.5°	1840.4	1848.4	1869.3	1848.9	1839.1	1895.1	2022.7	2410.4	2694.1	2661.2	2051.2
45°	1992.9	1998.7	2006.7	1989.8	1979.6	2034.7	2108.5	2440.2	2793.3	2757.7	2125.0
47.5°	2157.9	2162.3	2162.3	2127.7	2094.7	2117.4	2165.9	2457.1	2884.4	2850.2	2179.7
50°	2276.2	2278.4	2298.0	2273.5	2201.9	2166.8	2192.1	2473.6	2944.9	2912.9	2197.5
52.5°	2171.2	2168.6	2233.0	2283.7	2302.8	2233.0	2237.5	2497.6	2974.3	2946.7	2211.7
55°	1828.4	1824.0	1914.7	2037.8	2206.4	2295.7	2292.2	2511.8	3006.7	2989.8	2263.3
57.5°	1325.5	1317.9	1444.2	1581.2	1802.2	2044.5	2186.8	2503.8	3021.0	3019.6	2323.3
60°	796.8	790.6	909.8	1053.8	1224.6	1468.2	1704.3	2242.8	2830.6	2833.3	2167.2
62.5°	490.4	496.2	603.8	677.2	740.8	814.2	950.7	1508.7	2097.0	2114.3	1522.9
65°	329.9	334.4	434.0	526.5	526.5	430.4	369.5	721.2	1118.7	1089.4	720.3
67.5°	221.4	226.3	305.0	413.1	428.6	300.1	149.8	215.2	311.7	302.4	178.3
70°	130.3	135.6	203.2	283.2	312.1	209.0	100.0	91.2	88.5	85.8	69.4
72.5°	58.2	60.5	103.6	144.1	131.6	88.0	70.7	72.9	68.9	67.6	56.5
75°	17.8	18.7	26.7	31.1	31.6	31.6	42.7	57.4	54.2	54.7	43.6
77.5°	4.4	4.4	7.1	6.7	3.6	3.1	8.0	12.9	13.3	12.0	8.9
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5	614.5
2.5°	623.0	611.4	603.8	593.2	585.6	577.6	570.5	564.7	561.6	560.7	561.1
5°	637.2	619.0	601.2	580.7	566.5	553.1	542.5	534.0	530.0	528.7	528.7
7.5°	659.0	633.6	602.1	570.0	546.0	525.1	512.7	503.3	499.8	498.9	496.2
10°	687.4	652.7	600.7	550.9	517.1	495.3	486.4	483.8	485.1	485.6	485.1
12.5°	721.7	672.8	592.3	522.9	486.4	473.1	474.0	481.1	489.1	493.1	494.0
15°	758.1	691.0	573.2	489.6	460.2	459.8	472.7	489.1	504.7	511.3	513.1
17.5°	799.0	705.7	543.8	454.0	437.5	450.4	473.6	498.9	519.8	530.9	533.1
20°	843.9	717.7	506.5	420.6	417.5	440.6	472.7	503.8	529.6	542.0	544.3
22.5°	890.6	726.1	463.3	390.0	399.3	429.5	464.2	494.5	518.9	533.1	534.9
25°	944.0	727.0	419.3	364.2	382.4	414.4	443.8	468.7	489.1	501.6	502.9
27.5°	990.7	716.3	380.2	343.3	366.8	395.7	415.3	429.1	443.3	450.4	450.9
30°	1044.5	697.7	343.3	326.4	350.8	372.6	382.4	385.5	386.8	388.2	386.4
32.5°	1108.5	675.0	315.7	309.9	332.6	347.3	349.9	343.7	336.2	325.5	322.8
35°	1187.2	654.5	293.0	293.9	312.6	321.5	319.3	305.9	291.2	278.4	276.1
37.5°	1272.6	637.2	275.7	278.4	290.8	297.0	290.4	275.7	269.0	257.9	258.3
40°	1348.2	623.0	260.1	262.8	268.6	274.3	263.7	253.9	266.3	265.5	266.3
42.5°	1402.0	610.9	246.8	245.4	249.4	253.5	245.4	240.6	261.5	255.7	258.8
45°	1433.6	599.8	235.7	227.7	233.9	241.0	235.7	229.4	236.6	209.9	207.7
47.5°	1454.9	593.6	225.9	210.3	221.4	233.9	222.8	207.7	197.4	174.3	172.5
50°	1457.1	590.5	214.3	192.5	206.8	220.1	207.2	186.3	171.6	161.4	160.1
52.5°	1468.7	596.7	198.3	169.9	185.4	206.8	197.9	177.0	157.0	148.1	146.3
55°	1520.3	623.0	171.6	138.7	161.4	196.5	190.3	157.9	138.7	133.4	132.1
57.5°	1573.6	628.3	135.2	109.8	140.5	181.9	173.9	145.4	126.7	120.5	119.2
60°	1438.9	517.6	101.4	90.7	124.1	168.1	161.0	137.8	116.1	108.5	107.2
62.5°	945.3	279.7	80.5	76.9	104.5	142.3	146.7	124.5	103.6	95.6	95.2
65°	435.8	129.8	61.8	60.9	81.8	113.4	126.3	108.9	87.6	80.5	80.5
67.5°	118.7	64.5	48.5	44.9	55.6	76.0	92.0	81.4	62.3	53.8	53.4
70°	59.1	52.0	43.6	38.7	40.0	47.1	54.2	45.4	31.6	25.8	25.3
72.5°	48.5	42.7	36.9	32.9	30.2	28.9	28.0	22.7	14.7	11.1	10.7
75°	36.0	30.7	26.2	21.3	18.2	16.9	15.1	11.1	6.2	3.6	3.1
77.5°	8.0	7.6	7.1	5.3	4.9	4.0	3.1	2.2	0.9	0.0	0.0
80°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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)