

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: P630458

Luminaire Tested: GWS-SA1D-760-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630458
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3633.9 lumens
Efficiency: N/A
Efficacy: 82.0 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

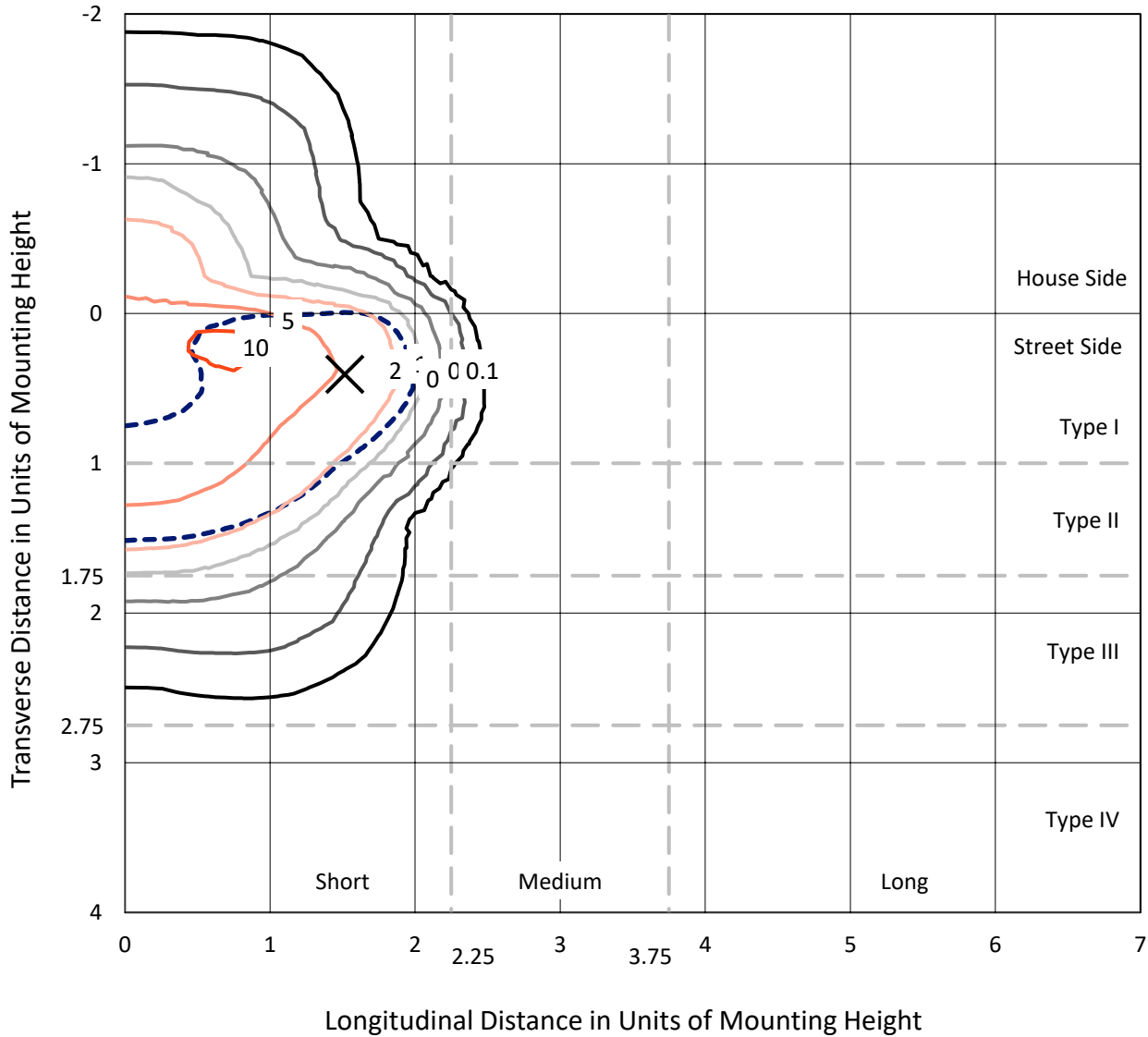
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

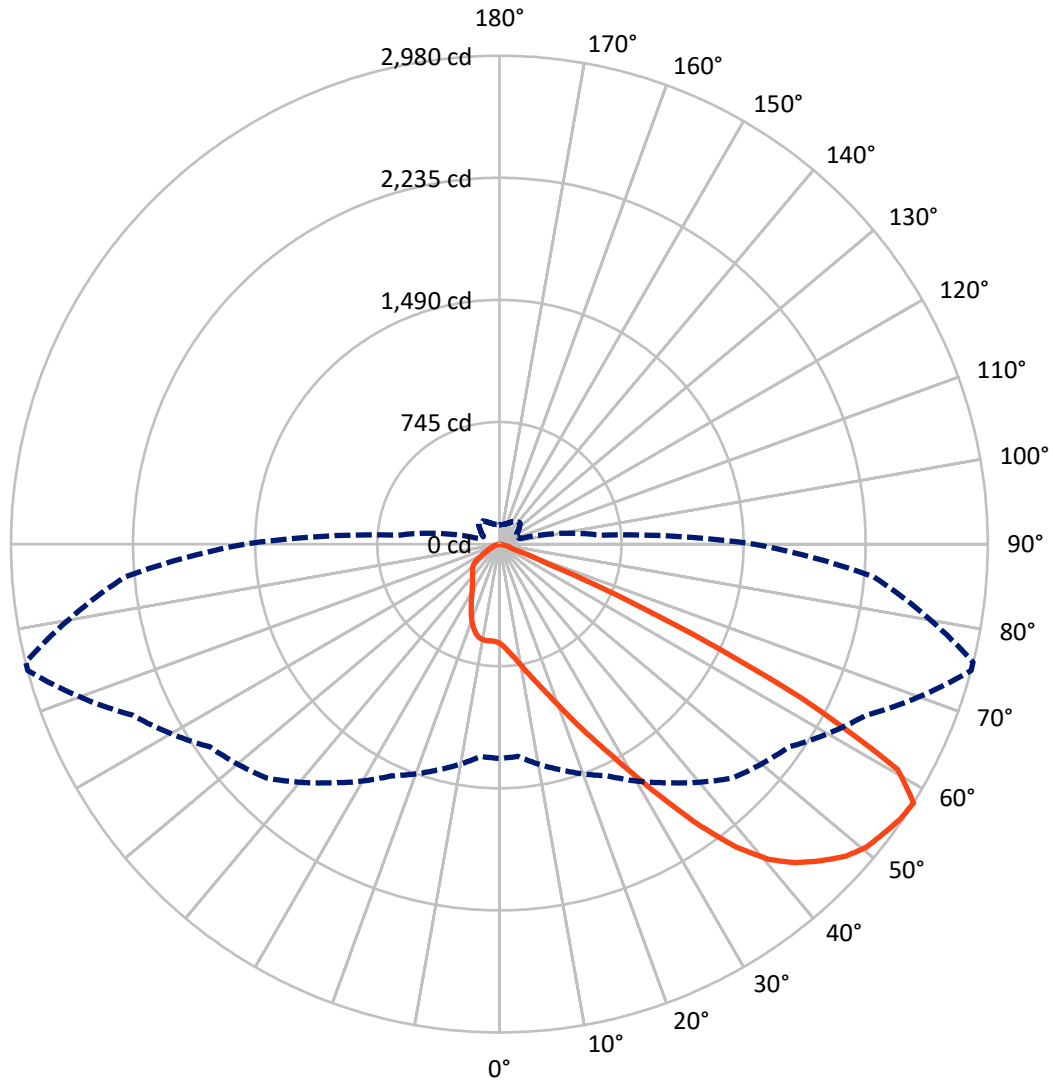
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 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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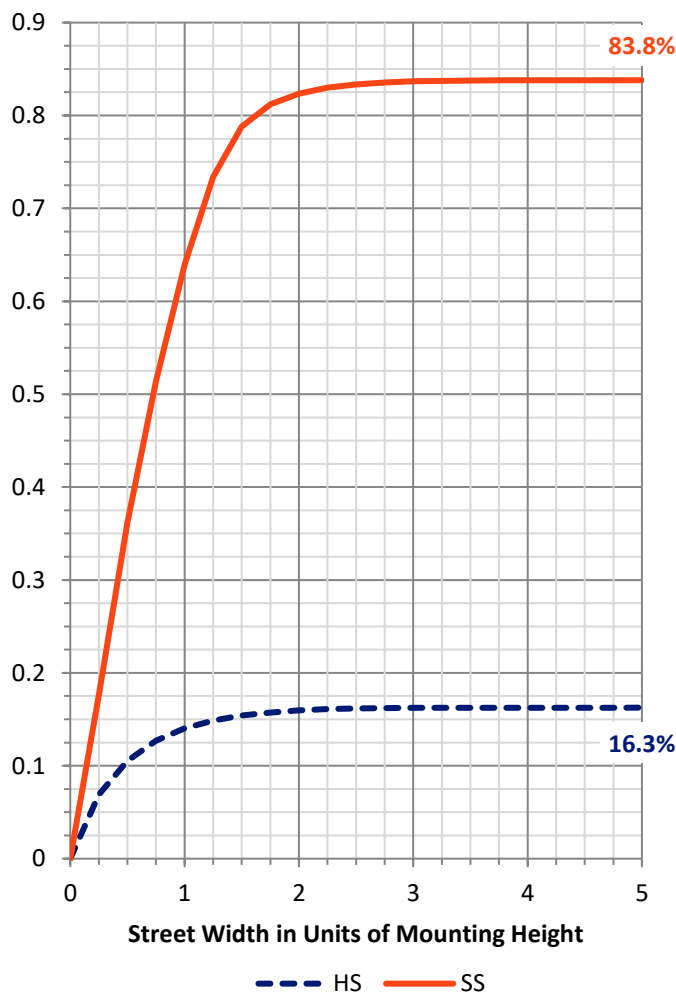
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	593.6	0.0	593.6
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	3040.3	0.0	3040.3
	% Fixture	83.7	0.0	83.7
Total	Lumens	3633.9	0.0	3633.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	1.7
10°-20°	200.3	5.5
20°-30°	366.9	10.1
30°-40°	608.7	16.8
40°-50°	929.6	25.6
50°-60°	1044.6	28.7
60°-70°	385.3	10.6
70°-80°	36.8	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°	3633.9	100.0
0°-180°	3633.9	100.0

Coefficient of Utilization



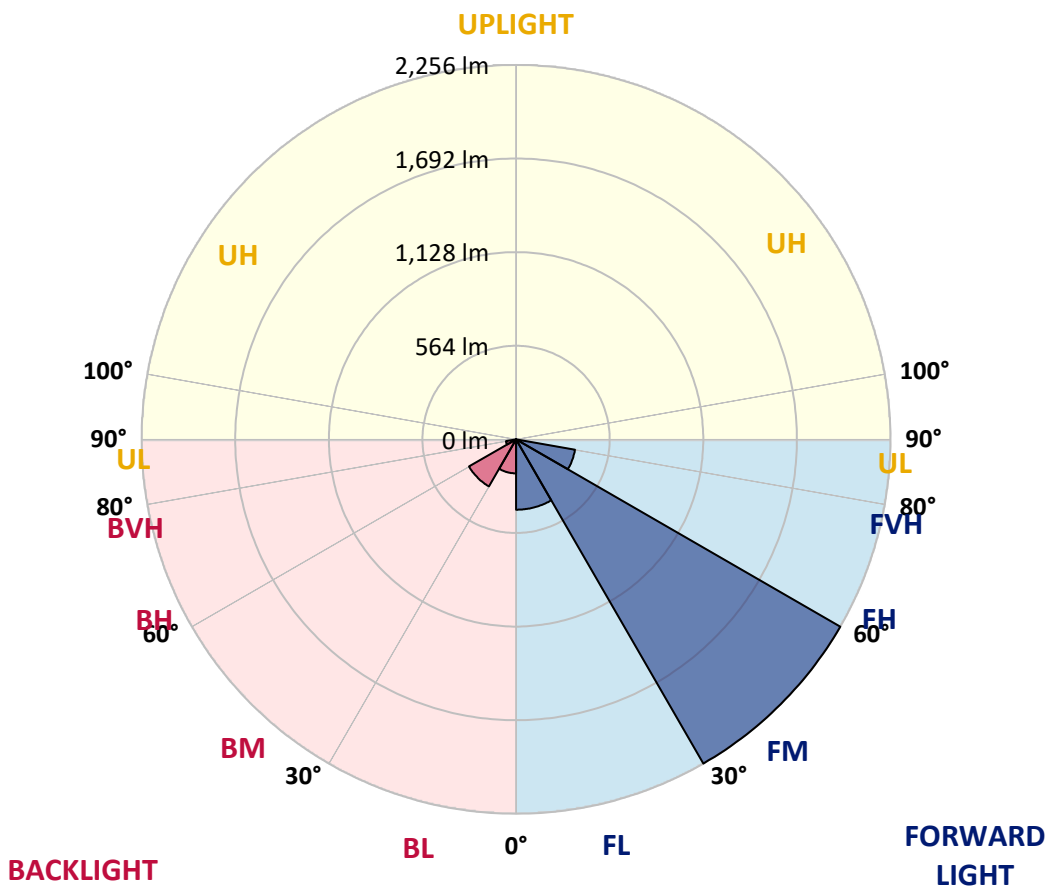
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	424.1	11.7			
FM (30°-60°)	2255.8	62.1			
FH (60°-80°)	360.5	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	204.8	5.6	B1/500		
BM (30°-60°)	327.1	9.0	B1/1000		
BH (60°-80°)	61.6	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°	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1
2.5°	677.1	684.1	682.0	677.6	674.9	665.7	660.0	643.4	631.5	630.2	619.2
5°	762.6	761.3	759.6	754.3	749.9	735.5	718.4	690.3	665.3	662.2	639.0
7.5°	809.6	810.5	811.3	810.5	807.4	796.4	777.6	744.7	706.5	703.9	667.0
10°	828.9	830.6	835.0	843.3	850.8	849.9	839.0	805.2	758.3	753.9	704.3
12.5°	838.1	840.3	847.3	863.1	883.3	899.0	900.8	870.5	818.8	811.8	748.6
15°	850.8	853.0	861.8	882.4	911.8	942.9	963.1	943.8	885.9	878.4	797.3
17.5°	856.5	859.6	872.3	899.5	937.6	985.4	1031.0	1029.3	965.3	959.6	853.9
20°	867.5	869.7	881.1	910.4	956.5	1025.3	1102.1	1129.7	1062.2	1053.8	922.3
22.5°	902.1	903.0	908.2	926.7	969.6	1054.3	1174.5	1246.8	1176.6	1165.7	999.0
25°	958.7	958.2	960.4	963.5	995.1	1083.7	1244.2	1378.8	1307.8	1295.9	1085.9
27.5°	1030.6	1030.6	1035.9	1027.1	1039.8	1120.1	1313.0	1530.6	1460.4	1443.7	1181.0
30°	1115.2	1114.8	1127.1	1113.1	1117.0	1177.5	1387.2	1695.9	1644.6	1624.0	1290.7
32.5°	1230.1	1227.5	1241.6	1222.3	1209.1	1264.4	1477.5	1868.7	1865.2	1833.6	1428.4
35°	1375.3	1370.9	1375.3	1356.5	1332.8	1385.8	1595.9	2041.0	2109.9	2076.6	1592.4
37.5°	1519.6	1533.6	1538.5	1506.0	1486.7	1539.8	1738.4	2195.4	2343.6	2309.0	1763.0
40°	1689.8	1685.4	1702.0	1665.6	1653.4	1712.1	1877.9	2310.3	2528.7	2495.8	1914.7
42.5°	1815.2	1823.1	1843.7	1823.5	1813.9	1869.1	1995.0	2377.4	2657.2	2624.8	2023.1
45°	1965.6	1971.3	1979.2	1962.5	1952.4	2006.8	2079.6	2406.8	2755.0	2719.9	2095.9
47.5°	2128.3	2132.7	2132.7	2098.5	2066.0	2088.4	2136.2	2423.5	2844.9	2811.1	2149.8
50°	2245.0	2247.2	2266.5	2242.3	2171.7	2137.1	2162.1	2439.7	2904.6	2873.0	2167.3
52.5°	2141.5	2138.8	2202.4	2252.4	2271.3	2202.4	2206.8	2463.4	2933.5	2906.3	2181.4
55°	1803.3	1799.0	1888.4	2009.9	2176.1	2264.3	2260.8	2477.4	2965.5	2948.8	2232.2
57.5°	1307.3	1299.9	1424.4	1559.5	1777.5	2016.5	2156.8	2469.5	2979.5	2978.2	2291.5
60°	785.9	779.8	897.3	1039.4	1207.8	1448.1	1681.0	2212.1	2791.8	2794.5	2137.5
62.5°	483.7	489.4	595.6	667.9	730.6	803.0	937.6	1488.0	2068.2	2085.3	1502.1
65°	325.4	329.8	428.0	519.2	519.2	424.5	364.4	711.3	1103.4	1074.5	710.5
67.5°	218.4	223.2	300.8	407.4	422.8	296.0	147.8	212.3	307.4	298.2	175.9
70°	128.5	133.8	200.4	279.4	307.9	206.1	98.7	89.9	87.3	84.6	68.4
72.5°	57.5	59.6	102.2	142.1	129.8	86.8	69.7	71.9	68.0	66.7	55.7
75°	17.5	18.4	26.3	30.7	31.1	31.1	42.1	56.6	53.5	53.9	43.0
77.5°	4.4	4.4	7.0	6.6	3.5	3.1	7.9	12.7	13.2	11.8	8.8
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°	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1
2.5°	614.4	603.0	595.6	585.0	577.6	569.7	562.7	557.0	553.9	553.0	553.5
5°	628.5	610.5	592.9	572.8	558.7	545.6	535.0	526.7	522.8	521.4	521.4
7.5°	649.9	624.9	593.8	562.2	538.5	517.9	505.7	496.4	492.9	492.1	489.4
10°	678.0	643.8	592.5	543.4	510.0	488.6	479.8	477.1	478.5	478.9	478.5
12.5°	711.8	663.5	584.2	515.7	479.8	466.6	467.5	474.5	482.4	486.4	487.2
15°	747.7	681.5	565.3	482.8	453.9	453.5	466.2	482.4	497.8	504.3	506.1
17.5°	788.1	696.0	536.4	447.8	431.5	444.3	467.1	492.1	512.7	523.6	525.8
20°	832.4	707.8	499.5	414.9	411.8	434.6	466.2	496.9	522.3	534.6	536.8
22.5°	878.4	716.2	457.0	384.6	393.8	423.6	457.9	487.7	511.8	525.8	527.6
25°	931.1	717.0	413.6	359.2	377.2	408.7	437.7	462.2	482.4	494.7	496.0
27.5°	977.1	706.5	375.0	338.6	361.8	390.3	409.6	423.2	437.2	444.3	444.7
30°	1030.2	688.1	338.6	321.9	346.0	367.5	377.2	380.2	381.5	382.9	381.1
32.5°	1093.3	665.7	311.4	305.7	328.0	342.5	345.1	339.0	331.5	321.0	318.4
35°	1170.9	645.6	289.0	289.9	308.3	317.1	314.9	301.7	287.3	274.5	272.3
37.5°	1255.1	628.5	271.9	274.5	286.8	293.0	286.4	271.9	265.3	254.4	254.8
40°	1329.7	614.4	256.6	259.2	264.9	270.6	260.1	250.4	262.7	261.8	262.7
42.5°	1382.8	602.6	243.4	242.1	246.0	250.0	242.1	237.3	257.9	252.2	255.2
45°	1413.9	591.6	232.4	224.5	230.7	237.7	232.4	226.3	233.3	207.0	204.8
47.5°	1435.0	585.5	222.8	207.4	218.4	230.7	219.7	204.8	194.7	171.9	170.2
50°	1437.1	582.4	211.4	189.9	203.9	217.1	204.4	183.8	169.3	159.2	157.9
52.5°	1448.5	588.5	195.6	167.5	182.9	203.9	195.2	174.5	154.8	146.0	144.3
55°	1499.4	614.4	169.3	136.8	159.2	193.8	187.7	155.7	136.8	131.6	130.3
57.5°	1552.0	619.7	133.3	108.3	138.6	179.4	171.5	143.4	125.0	118.8	117.5
60°	1419.2	510.5	100.0	89.5	122.4	165.8	158.8	136.0	114.5	107.0	105.7
62.5°	932.4	275.9	79.4	75.9	103.1	140.3	144.7	122.8	102.2	94.3	93.9
65°	429.8	128.1	61.0	60.1	80.7	111.8	124.5	107.4	86.4	79.4	79.4
67.5°	117.1	63.6	47.8	44.3	54.8	75.0	90.8	80.3	61.4	53.1	52.6
70°	58.3	51.3	43.0	38.2	39.5	46.5	53.5	44.7	31.1	25.4	25.0
72.5°	47.8	42.1	36.4	32.5	29.8	28.5	27.6	22.4	14.5	11.0	10.5
75°	35.5	30.3	25.9	21.1	18.0	16.7	14.9	11.0	6.1	3.5	3.1
77.5°	7.9	7.5	7.0	5.3	4.8	3.9	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)