

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: P630348

Luminaire Tested: GWS-SA1D-740-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630348
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3601.9 lumens
Efficiency: N/A
Efficacy: 81.3 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

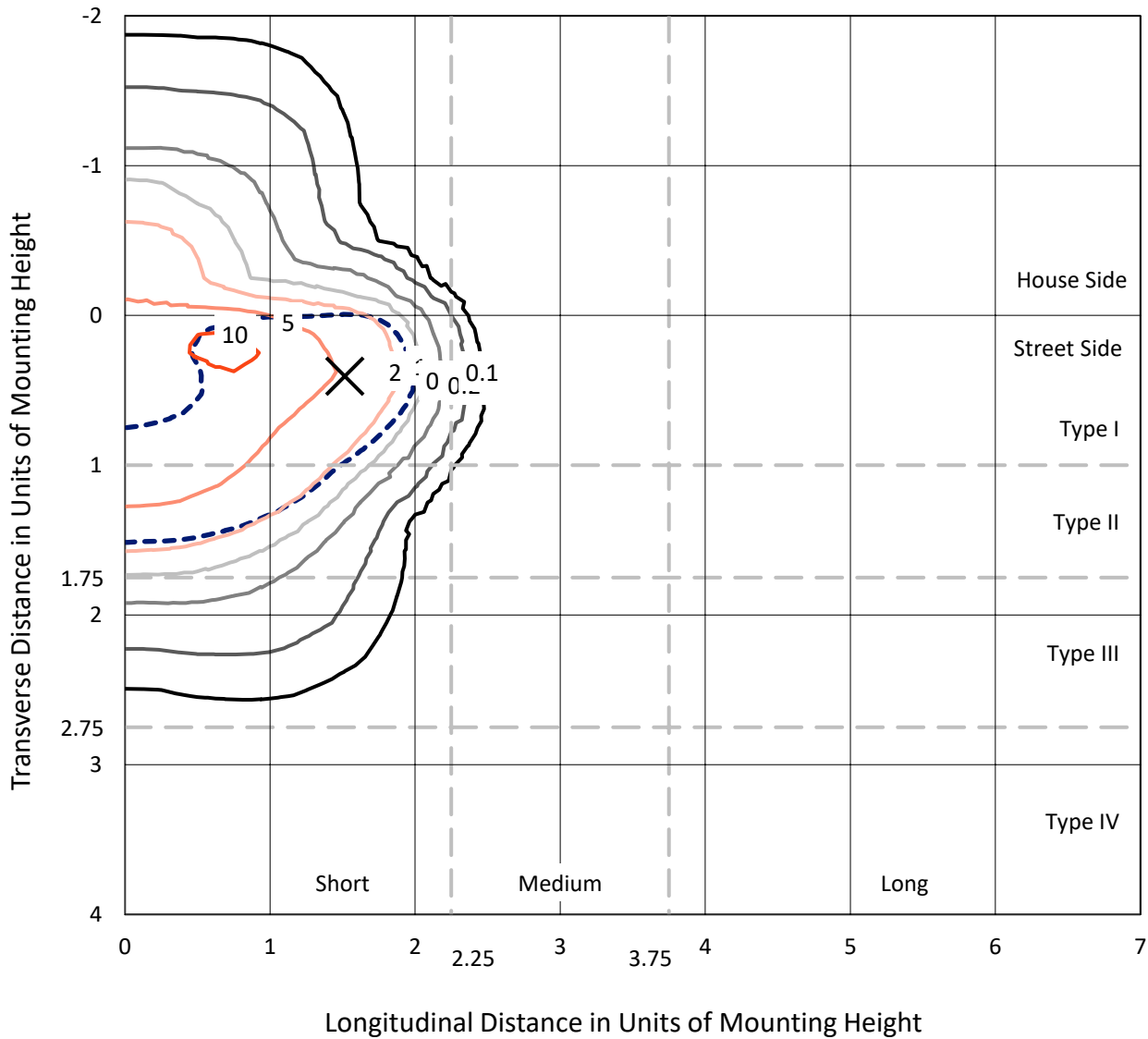
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

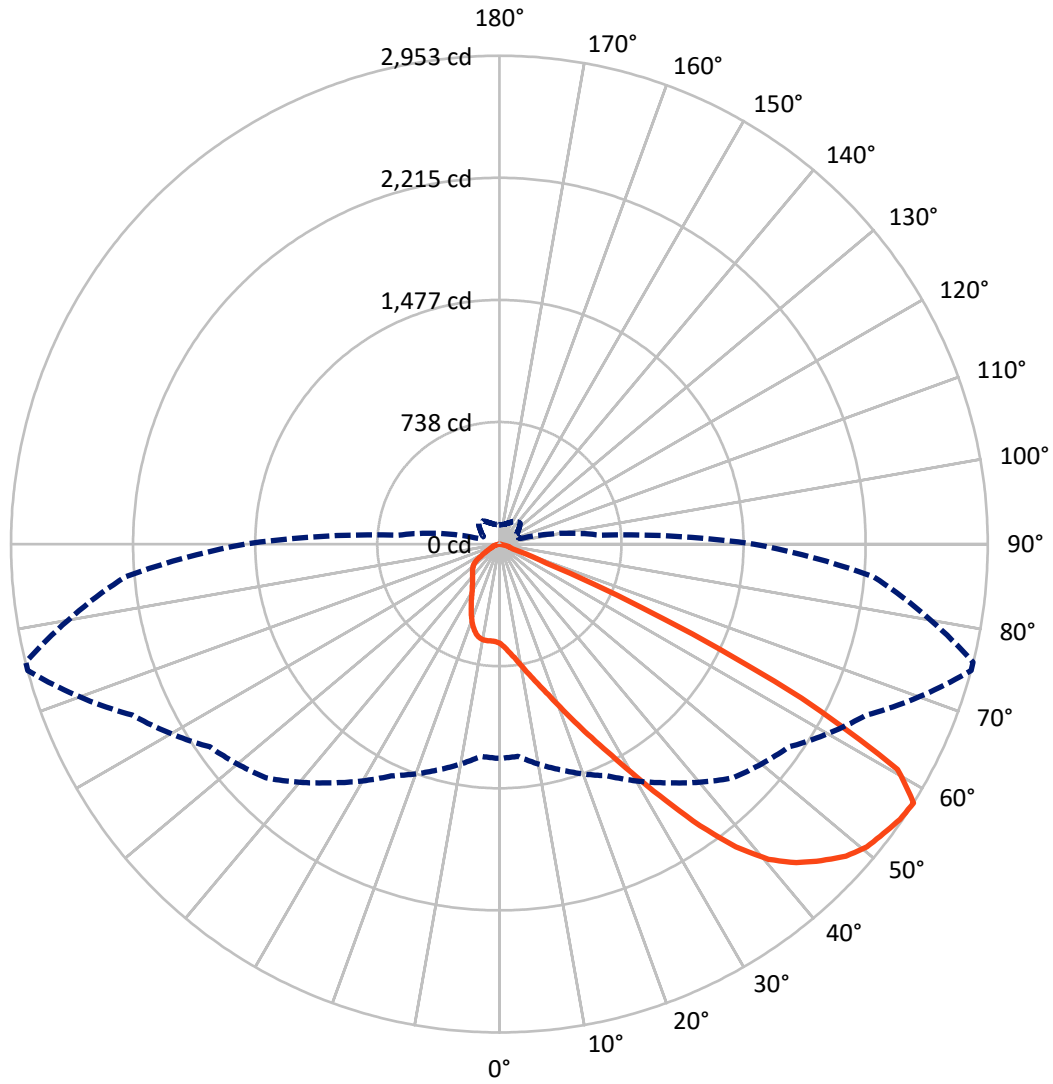
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.2 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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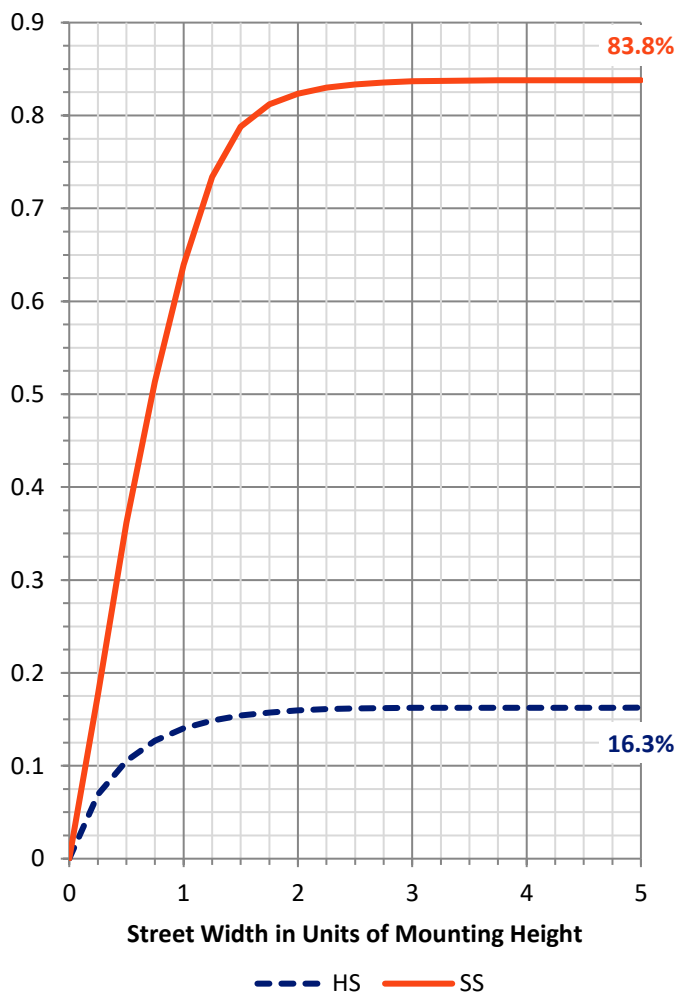
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	588.4	0.0	588.4
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	3013.5	0.0	3013.5
	% Fixture	83.7	0.0	83.7
Total	Lumens	3601.9	0.0	3601.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.1	1.7
10°-20°	198.6	5.5
20°-30°	363.6	10.1
30°-40°	603.3	16.8
40°-50°	921.4	25.6
50°-60°	1035.4	28.7
60°-70°	381.9	10.6
70°-80°	36.5	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°	3601.9	100.0
0°-180°	3601.9	100.0

Coefficient of Utilization



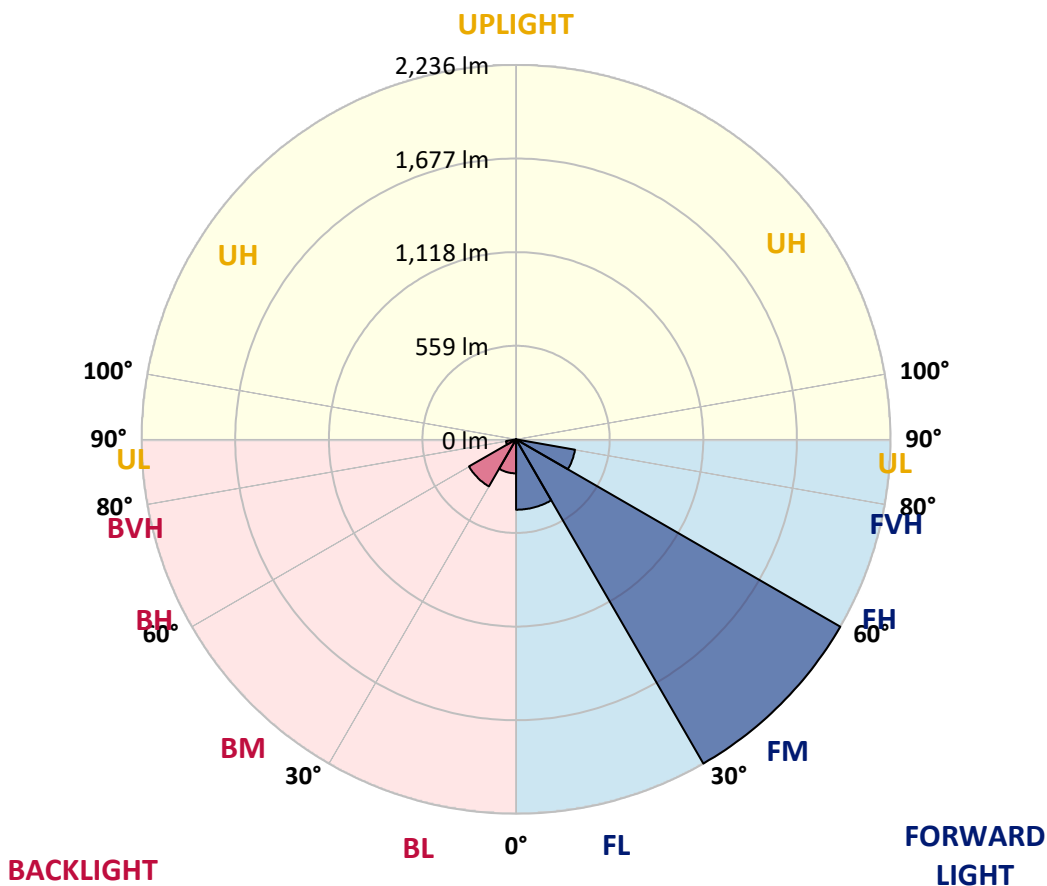
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	420.3	11.7			
FM (30°-60°)	2235.9	62.1			
FH (60°-80°)	357.3	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	203.0	5.6	B1/500		
BM (30°-60°)	324.2	9.0	B1/1000		
BH (60°-80°)	61.1	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°	600.7	600.7	600.7	600.7	600.7	600.7	600.7	600.7	600.7	600.7	600.7
2.5°	671.2	678.1	675.9	671.6	669.0	659.9	654.2	637.7	626.0	624.7	613.8
5°	755.9	754.6	752.9	747.7	743.3	729.0	712.0	684.2	659.4	656.4	633.3
7.5°	802.4	803.3	804.2	803.3	800.3	789.4	770.7	738.1	700.3	697.7	661.2
10°	821.6	823.3	827.7	835.9	843.3	842.4	831.6	798.1	751.6	747.2	698.1
12.5°	830.7	832.9	839.8	855.5	875.5	891.1	892.9	862.9	811.6	804.6	742.0
15°	843.3	845.5	854.2	874.6	903.7	934.6	954.6	935.5	878.1	870.7	790.3
17.5°	849.0	852.0	864.6	891.6	929.4	976.8	1022.0	1020.2	956.8	951.1	846.3
20°	859.8	862.0	873.3	902.4	948.1	1016.3	1092.4	1119.8	1052.8	1044.6	914.2
22.5°	894.2	895.0	900.3	918.5	961.1	1045.0	1164.1	1235.8	1166.3	1155.4	990.2
25°	950.2	949.8	952.0	955.0	986.3	1074.1	1233.2	1366.7	1296.3	1284.5	1076.3
27.5°	1021.5	1021.5	1026.7	1018.1	1030.7	1110.2	1301.5	1517.1	1447.5	1431.0	1170.6
30°	1105.4	1105.0	1117.2	1103.3	1107.2	1167.2	1374.9	1681.0	1630.1	1609.7	1279.3
32.5°	1219.3	1216.7	1230.6	1211.5	1198.5	1253.2	1464.5	1852.2	1848.8	1817.5	1415.8
35°	1363.2	1358.9	1363.2	1344.5	1321.0	1373.6	1581.9	2023.1	2091.3	2058.3	1578.4
37.5°	1506.2	1520.1	1524.9	1492.7	1473.6	1526.2	1723.1	2176.1	2323.0	2288.7	1747.5
40°	1674.9	1670.5	1687.0	1651.0	1638.8	1697.0	1861.4	2290.0	2506.4	2473.8	1897.9
42.5°	1799.2	1807.0	1827.5	1807.5	1797.9	1852.7	1977.4	2356.5	2633.8	2601.6	2005.2
45°	1948.3	1953.9	1961.8	1945.3	1935.3	1989.2	2061.3	2385.6	2730.7	2696.0	2077.4
47.5°	2109.6	2113.9	2113.9	2080.0	2047.8	2070.0	2117.4	2402.1	2819.9	2786.4	2130.9
50°	2225.2	2227.4	2246.5	2222.6	2152.6	2118.3	2143.0	2418.2	2879.0	2847.7	2148.3
52.5°	2122.6	2120.0	2183.0	2232.6	2251.3	2183.0	2187.4	2441.7	2907.7	2880.7	2162.2
55°	1787.5	1783.1	1871.8	1992.2	2157.0	2244.3	2240.8	2455.6	2939.4	2922.9	2212.6
57.5°	1295.8	1288.4	1411.9	1545.8	1761.8	1998.7	2137.8	2447.8	2953.3	2952.0	2271.3
60°	779.0	772.9	889.4	1030.2	1197.1	1435.4	1666.2	2192.6	2767.3	2769.9	2118.7
62.5°	479.5	485.1	590.3	662.0	724.2	795.9	929.4	1474.9	2050.0	2067.0	1488.8
65°	322.5	326.9	424.3	514.7	514.7	420.8	361.2	705.1	1093.7	1065.0	704.2
67.5°	216.5	221.3	298.2	403.8	419.0	293.4	146.5	210.4	304.7	295.6	174.3
70°	127.4	132.6	198.7	276.9	305.2	204.3	97.8	89.1	86.5	83.9	67.8
72.5°	56.9	59.1	101.3	140.8	128.7	86.1	69.1	71.3	67.4	66.1	55.2
75°	17.4	18.3	26.1	30.4	30.9	30.9	41.7	56.1	53.0	53.5	42.6
77.5°	4.3	4.3	7.0	6.5	3.5	3.0	7.8	12.6	13.0	11.7	8.7
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°	600.7	600.7	600.7	600.7	600.7	600.7	600.7	600.7	600.7	600.7	600.7
2.5°	609.0	597.7	590.3	579.9	572.5	564.7	557.7	552.1	549.0	548.1	548.6
5°	622.9	605.1	587.7	567.7	553.8	540.8	530.3	522.1	518.2	516.9	516.9
7.5°	644.2	619.4	588.6	557.3	533.8	513.4	501.2	492.1	488.6	487.7	485.1
10°	672.0	638.1	587.3	538.6	505.5	484.2	475.6	472.9	474.3	474.7	474.3
12.5°	705.5	657.7	579.0	511.2	475.6	462.5	463.4	470.3	478.2	482.1	482.9
15°	741.2	675.5	560.3	478.6	449.9	449.5	462.1	478.2	493.4	499.9	501.6
17.5°	781.1	689.9	531.6	443.8	427.7	440.3	462.9	487.7	508.2	519.0	521.2
20°	825.0	701.6	495.1	411.2	408.2	430.8	462.1	492.5	517.7	529.9	532.1
22.5°	870.7	709.9	453.0	381.2	390.4	419.9	453.8	483.4	507.3	521.2	522.9
25°	922.9	710.7	409.9	356.0	373.8	405.1	433.8	458.2	478.2	490.3	491.6
27.5°	968.5	700.3	371.7	335.6	358.6	386.9	406.0	419.5	433.4	440.3	440.8
30°	1021.1	682.0	335.6	319.1	343.0	364.3	373.8	376.9	378.2	379.5	377.7
32.5°	1083.7	659.9	308.6	303.0	325.2	339.5	342.1	336.0	328.6	318.2	315.6
35°	1160.6	639.9	286.5	287.3	305.6	314.3	312.1	299.1	284.7	272.1	269.9
37.5°	1244.1	622.9	269.5	272.1	284.3	290.4	283.9	269.5	263.0	252.1	252.6
40°	1318.0	609.0	254.3	256.9	262.6	268.2	257.8	248.2	260.4	259.5	260.4
42.5°	1370.6	597.3	241.3	240.0	243.9	247.8	240.0	235.2	255.6	249.9	253.0
45°	1401.5	586.4	230.4	222.6	228.6	235.6	230.4	224.3	231.3	205.2	203.0
47.5°	1422.3	580.3	220.8	205.6	216.5	228.6	217.8	203.0	193.0	170.4	168.7
50°	1424.5	577.3	209.5	188.2	202.1	215.2	202.6	182.1	167.8	157.8	156.5
52.5°	1435.8	583.4	193.9	166.1	181.3	202.1	193.4	173.0	153.4	144.8	143.0
55°	1486.2	609.0	167.8	135.6	157.8	192.1	186.0	154.3	135.6	130.4	129.1
57.5°	1538.4	614.2	132.1	107.4	137.4	177.8	170.0	142.1	123.9	117.8	116.5
60°	1406.7	506.0	99.1	88.7	121.3	164.3	157.4	134.8	113.5	106.1	104.8
62.5°	924.2	273.4	78.7	75.2	102.2	139.1	143.4	121.7	101.3	93.5	93.0
65°	426.0	126.9	60.4	59.6	80.0	110.8	123.5	106.5	85.6	78.7	78.7
67.5°	116.1	63.0	47.4	43.9	54.3	74.3	90.0	79.5	60.9	52.6	52.2
70°	57.8	50.9	42.6	37.8	39.1	46.1	53.0	44.3	30.9	25.2	24.8
72.5°	47.4	41.7	36.1	32.2	29.6	28.3	27.4	22.2	14.3	10.9	10.4
75°	35.2	30.0	25.6	20.9	17.8	16.5	14.8	10.9	6.1	3.5	3.0
77.5°	7.8	7.4	7.0	5.2	4.8	3.9	3.0	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)