

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: P629860

Luminaire Tested: GWS-SA1C-740-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629860
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-SA1C-740-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3876.4 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

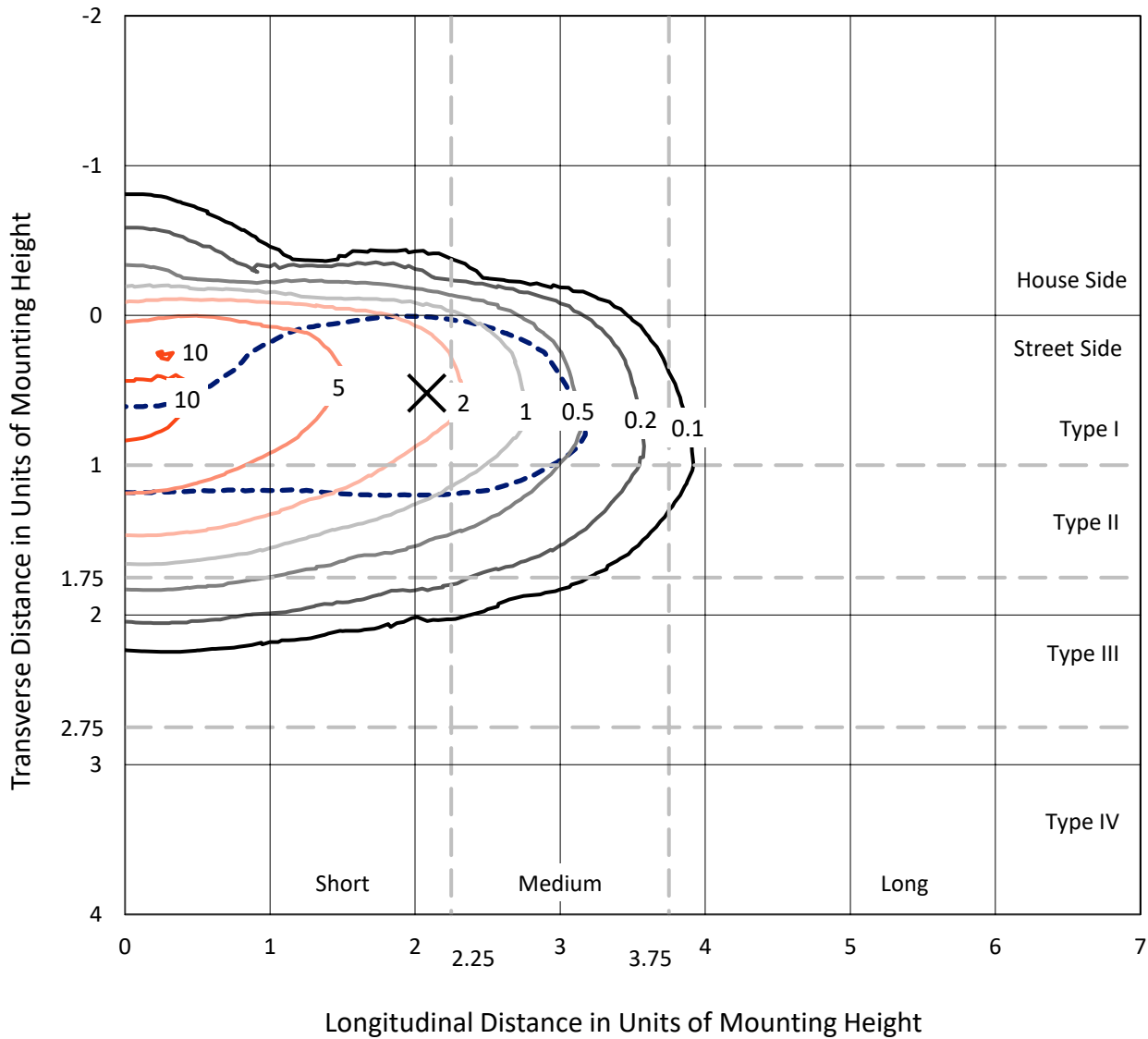
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

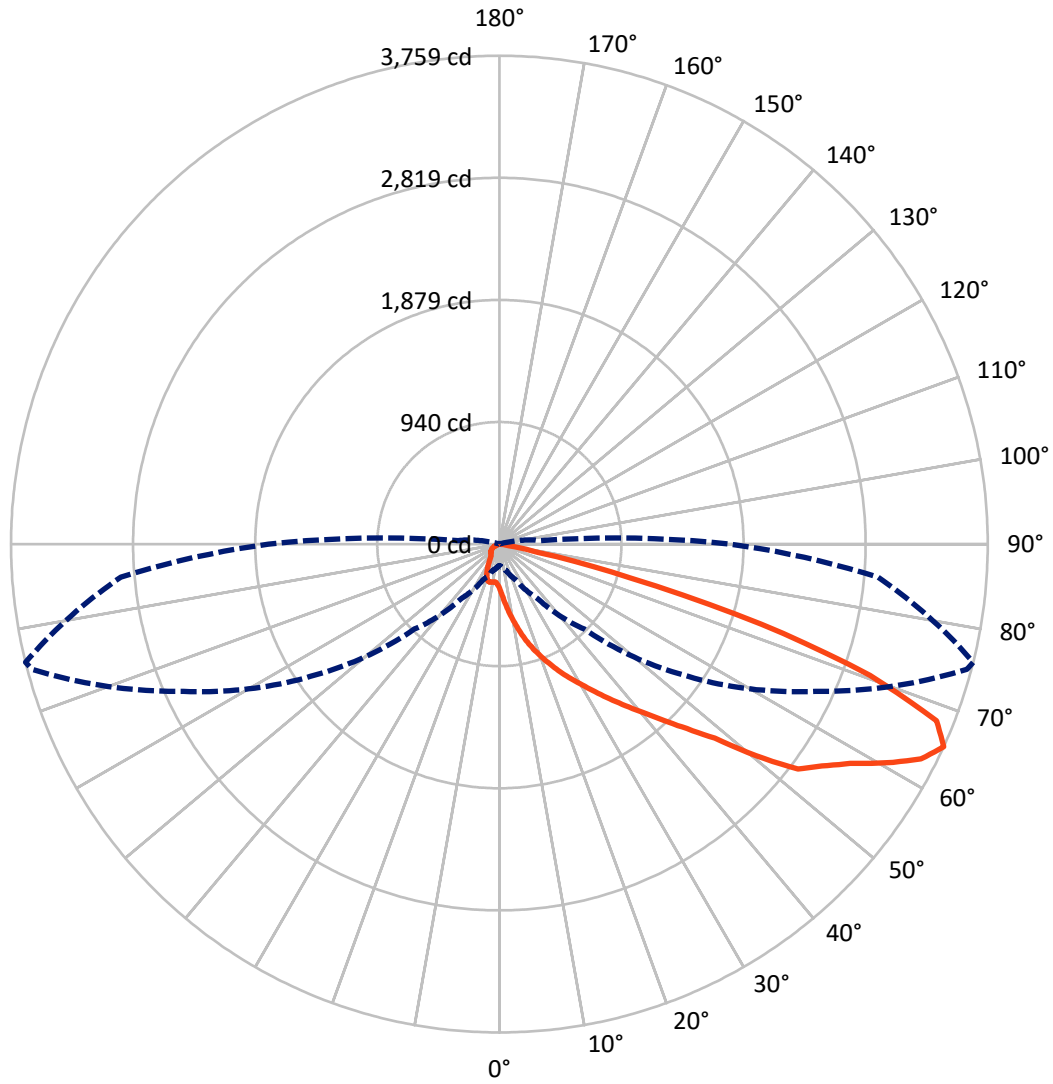
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 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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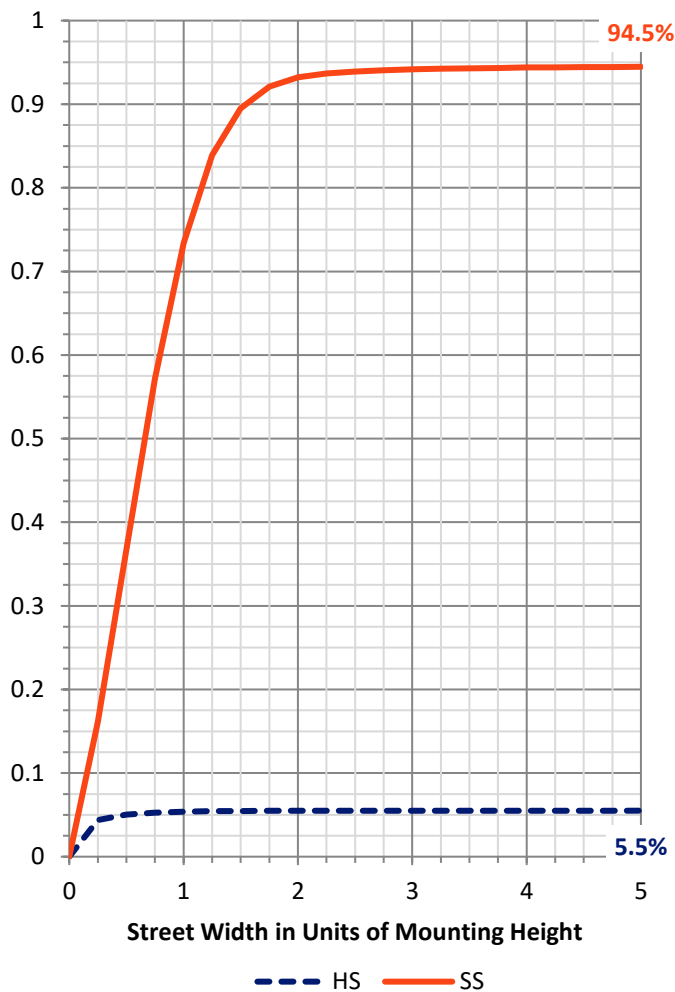
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	214.3	0.0	214.3
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	3662.1	0.0	3662.1
	% Fixture	94.5	0.0	94.5
Total	Lumens	3876.4	0.0	3876.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.8	1.1
10°-20°	158.4	4.1
20°-30°	323.2	8.3
30°-40°	574.9	14.8
40°-50°	849.8	21.9
50°-60°	972.9	25.1
60°-70°	742.3	19.1
70°-80°	207.9	5.4
80°-90°	5.2	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°	3876.4	100.0
0°-180°	3876.4	100.0

Coefficient of Utilization



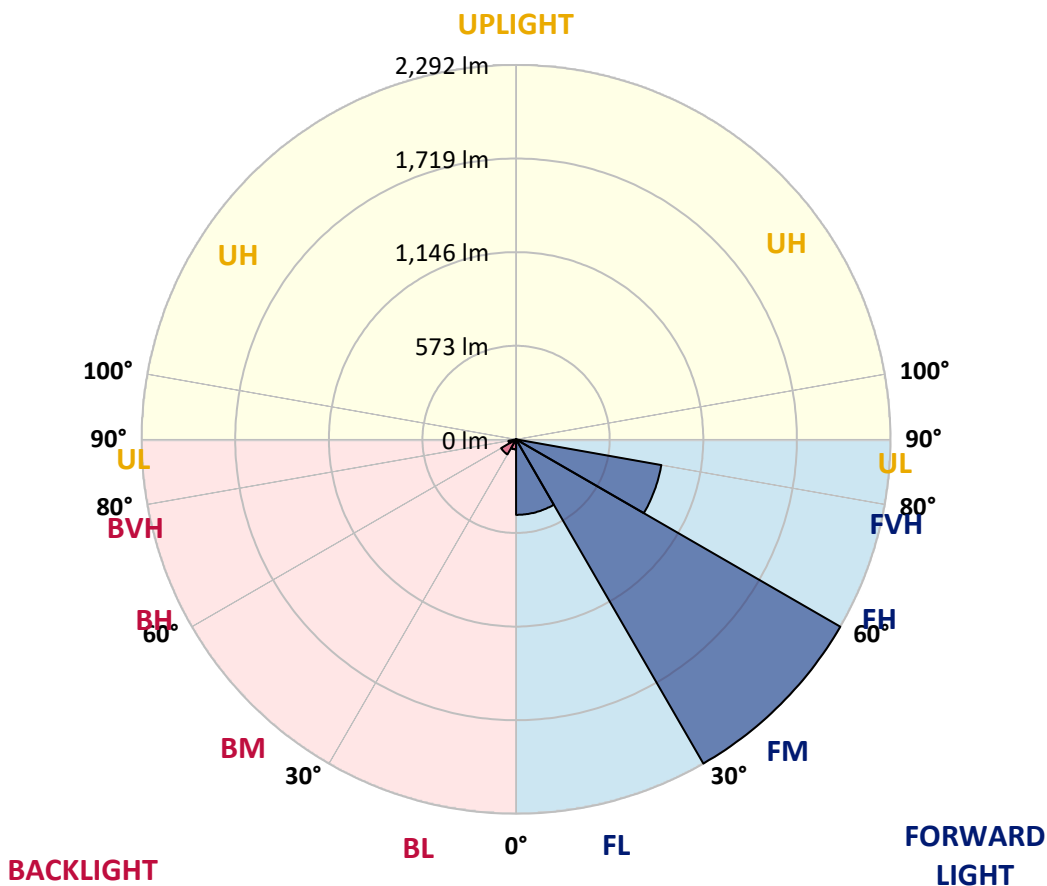
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	462.2	11.9			
FM (30°-60°)	2291.8	59.1			
FH (60°-80°)	903.1	23.3			G1/1800
FVH (80°-90°)	4.9	0.1			G0/10
BL (0°-30°)	61.2	1.6	B0/110		
BM (30°-60°)	105.8	2.7	B0/220		
BH (60°-80°)	47.1	1.2	B0/110		G0/110
BVH (80°-90°)	0.3	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°	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2
2.5°	528.9	536.9	530.7	520.3	500.3	481.0	456.2	422.1	394.9	391.4	365.9
5°	714.3	713.6	700.2	686.8	665.7	632.7	582.7	519.3	458.3	453.1	395.9
7.5°	824.6	825.6	818.0	807.7	787.0	752.9	700.9	624.4	535.1	524.8	436.9
10°	917.3	916.9	911.4	906.6	888.0	865.2	809.4	725.3	617.8	601.6	482.8
12.5°	986.9	989.3	992.0	996.9	988.9	966.6	913.8	822.2	701.6	683.6	535.1
15°	1042.0	1042.7	1053.0	1071.6	1078.2	1066.5	1018.6	915.9	784.3	768.8	595.4
17.5°	1058.6	1059.9	1077.5	1111.6	1146.1	1152.6	1116.4	1010.3	865.6	849.0	654.0
20°	1093.4	1096.5	1109.6	1139.5	1182.9	1218.1	1204.0	1105.8	946.9	925.2	714.0
22.5°	1202.9	1204.7	1200.2	1204.0	1226.4	1267.0	1275.6	1198.1	1030.3	1007.2	778.8
25°	1391.4	1392.1	1360.8	1331.1	1314.2	1321.8	1340.8	1283.2	1113.0	1090.3	839.1
27.5°	1587.1	1589.6	1552.0	1501.7	1441.4	1406.9	1401.4	1361.1	1196.4	1171.2	898.7
30°	1771.5	1771.5	1731.9	1670.5	1589.9	1522.7	1483.1	1439.7	1285.6	1258.1	959.7
32.5°	1937.2	1935.9	1885.2	1818.7	1739.1	1665.4	1582.0	1521.7	1384.9	1354.2	1030.0
35°	2074.0	2070.6	2013.0	1949.3	1864.2	1809.4	1716.4	1609.9	1492.4	1461.7	1102.3
37.5°	2177.4	2173.6	2120.9	2053.4	1974.4	1939.0	1861.1	1715.7	1605.7	1577.8	1182.6
40°	2233.6	2226.0	2189.5	2139.2	2073.0	2042.0	2009.6	1847.0	1739.1	1704.3	1277.4
42.5°	2250.1	2241.2	2217.0	2193.6	2153.6	2129.2	2164.0	1995.1	1885.5	1855.6	1385.6
45°	2201.2	2196.0	2193.9	2210.8	2218.1	2225.0	2310.8	2159.1	2047.2	2024.4	1521.7
47.5°	2083.3	2082.0	2100.2	2170.5	2247.0	2319.7	2470.3	2361.4	2256.7	2232.2	1711.9
50°	1865.6	1879.7	1930.7	2054.0	2207.0	2373.5	2619.5	2641.9	2595.7	2559.9	1960.0
52.5°	1525.1	1552.3	1666.7	1854.2	2074.0	2358.3	2688.4	2866.6	2913.8	2876.6	2137.8
55°	1196.7	1222.2	1324.2	1562.0	1855.2	2242.9	2691.5	2944.1	3047.1	3012.7	2258.0
57.5°	891.4	914.9	1007.6	1235.0	1557.5	2015.8	2617.8	2987.2	3205.3	3183.2	2447.9
60°	582.7	605.8	689.5	888.3	1208.1	1685.0	2436.2	2978.2	3420.7	3418.6	2681.2
62.5°	323.2	341.5	402.1	557.2	843.2	1304.9	2150.9	2888.3	3629.1	3642.2	2873.5
65°	165.4	177.1	214.0	306.3	510.3	925.2	1775.6	2682.2	3725.6	3758.7	2924.1
67.5°	108.2	112.0	120.9	159.2	273.3	582.0	1336.3	2351.8	3589.8	3628.4	2754.2
70°	87.9	91.0	96.1	106.1	140.9	309.1	877.6	1878.3	2999.6	3025.8	2193.3
72.5°	64.4	68.6	78.6	85.1	101.7	169.5	456.6	1232.9	2059.9	2106.1	1378.3
75°	47.6	50.0	58.2	67.2	83.0	107.2	174.7	648.2	1063.7	1036.8	578.9
77.5°	28.6	30.3	37.2	43.1	59.3	66.8	61.0	239.5	323.6	304.3	139.9
80°	14.1	15.9	24.5	32.4	37.9	26.9	25.5	66.8	72.0	72.0	35.1
82.5°	4.8	6.2	13.1	21.4	18.6	10.3	12.1	17.2	19.3	20.3	10.3
85°	0.0	0.0	3.1	6.2	2.8	1.4	3.1	3.8	4.8	5.2	3.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	1.4	1.4
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°	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2
2.5°	352.2	336.0	311.5	289.4	272.6	256.7	244.7	235.0	233.3	227.8	228.5
5°	368.0	338.7	293.6	258.8	234.3	217.8	204.0	193.7	189.2	184.7	181.2
7.5°	392.5	350.1	286.7	244.3	215.7	190.2	168.8	151.6	143.3	138.2	134.7
10°	422.5	365.9	287.0	235.7	193.3	154.4	125.1	106.1	97.2	94.4	94.1
12.5°	458.3	385.9	289.8	221.6	160.9	114.7	92.7	84.1	81.3	78.9	78.9
15°	496.2	408.3	289.8	195.7	122.7	89.6	80.3	74.8	71.3	69.9	69.3
17.5°	536.2	429.3	282.9	160.2	94.1	78.9	71.3	66.2	63.4	61.3	60.6
20°	578.9	449.3	265.7	122.7	80.6	70.6	63.4	58.2	55.5	53.4	53.4
22.5°	622.3	467.9	237.8	94.4	71.3	62.7	55.8	51.0	48.2	46.2	46.2
25°	662.6	480.3	201.9	77.9	64.4	55.8	49.6	44.8	41.7	40.3	39.6
27.5°	700.2	488.3	162.3	68.6	57.9	50.0	43.4	38.9	36.5	35.5	34.8
30°	739.1	490.3	124.0	62.4	52.4	44.1	37.9	34.5	32.4	31.0	31.0
32.5°	777.0	487.9	94.8	57.2	47.6	38.9	33.8	30.7	28.9	27.9	27.6
35°	815.6	476.9	76.8	52.7	42.7	34.1	30.0	27.6	26.5	25.2	25.2
37.5°	857.7	462.1	66.8	48.2	37.9	30.7	26.9	25.2	23.8	22.7	22.4
40°	910.0	444.9	61.3	44.5	33.4	27.6	24.1	22.4	21.4	20.3	20.0
42.5°	972.1	428.0	58.6	40.3	30.0	24.5	21.7	19.6	18.6	17.2	16.9
45°	1059.9	424.2	55.5	35.8	26.9	22.1	19.0	16.9	15.5	14.5	14.1
47.5°	1201.2	434.9	50.3	31.0	23.8	19.3	16.2	14.5	12.7	11.7	11.0
50°	1341.5	432.1	45.1	26.9	21.0	16.5	13.8	12.1	10.3	9.3	9.0
52.5°	1418.0	419.0	40.3	23.8	18.3	14.1	11.7	9.6	8.6	7.6	7.2
55°	1487.2	413.8	35.5	20.7	15.5	12.4	9.6	7.9	7.2	6.2	5.9
57.5°	1623.0	425.9	31.4	17.9	13.4	10.7	8.3	6.5	5.9	4.8	4.5
60°	1764.9	427.3	26.9	15.5	11.7	9.0	6.5	5.2	4.5	3.4	3.1
62.5°	1839.0	392.5	22.1	13.1	9.6	7.6	5.5	4.1	3.4	2.1	2.1
65°	1777.0	317.4	18.6	10.7	7.6	5.9	4.1	3.1	2.1	1.0	0.3
67.5°	1572.7	225.7	15.5	8.6	5.5	4.1	3.1	2.1	0.3	0.0	0.0
70°	1151.6	128.9	12.1	6.2	4.1	2.8	2.1	1.0	0.0	0.0	0.0
72.5°	707.8	68.9	9.0	4.1	3.1	2.1	1.7	0.7	0.0	0.0	0.0
75°	268.4	33.1	5.5	2.8	2.4	1.7	1.0	0.3	0.0	0.0	0.0
77.5°	72.7	16.2	3.1	2.1	1.7	1.0	0.7	0.0	0.0	0.0	0.0
80°	19.0	7.6	2.1	1.4	1.0	0.7	0.0	0.0	0.0	0.0	0.0
82.5°	6.5	3.4	1.0	1.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0
85°	2.8	1.4	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	0.3	0.3	0.3	0.3	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)