

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: P629912

Luminaire Tested: GWS-SA1C-750-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629912
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-750-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY 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: 3295.9 lumens
Efficiency: N/A
Efficacy: 96.7 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

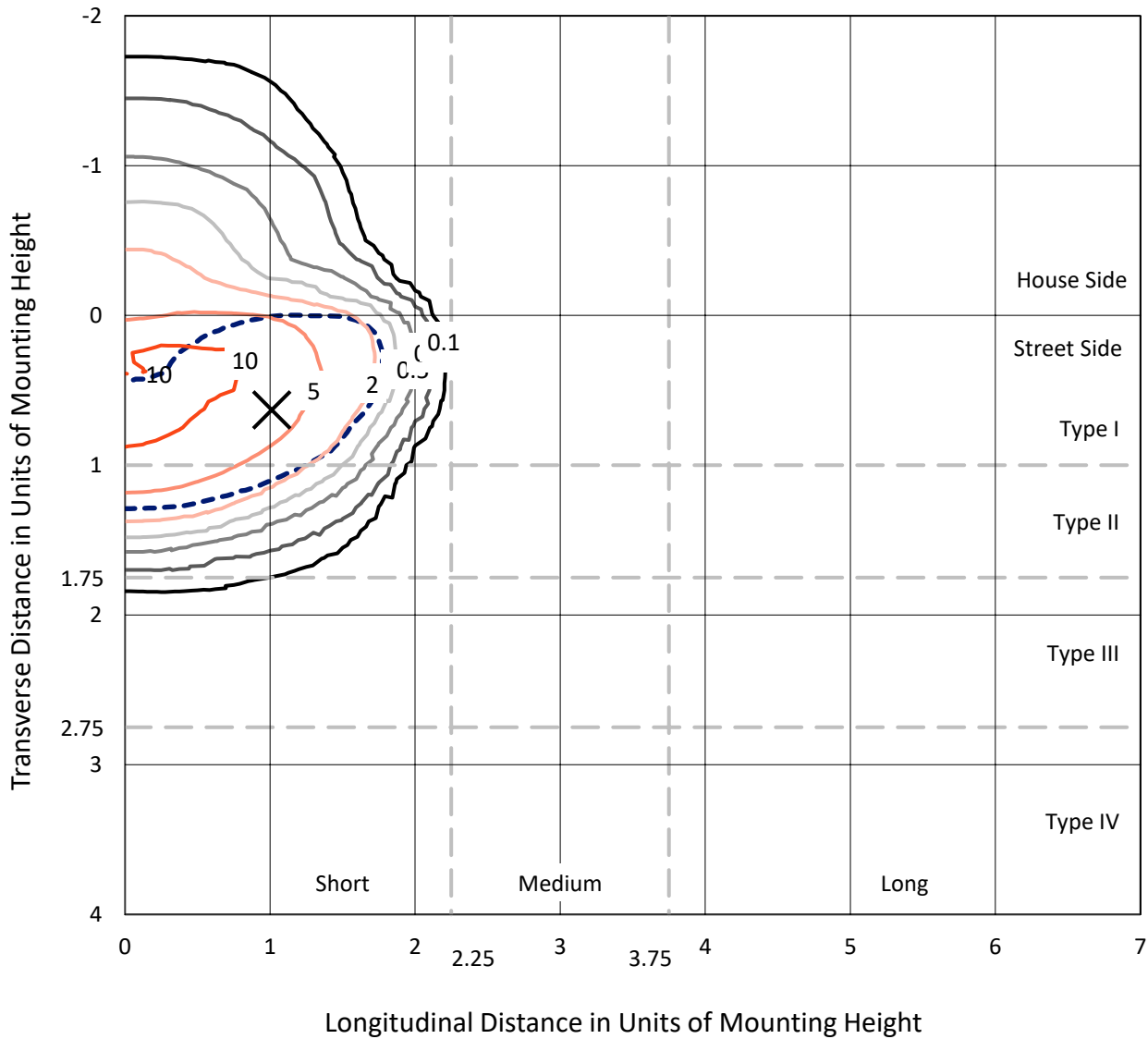
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

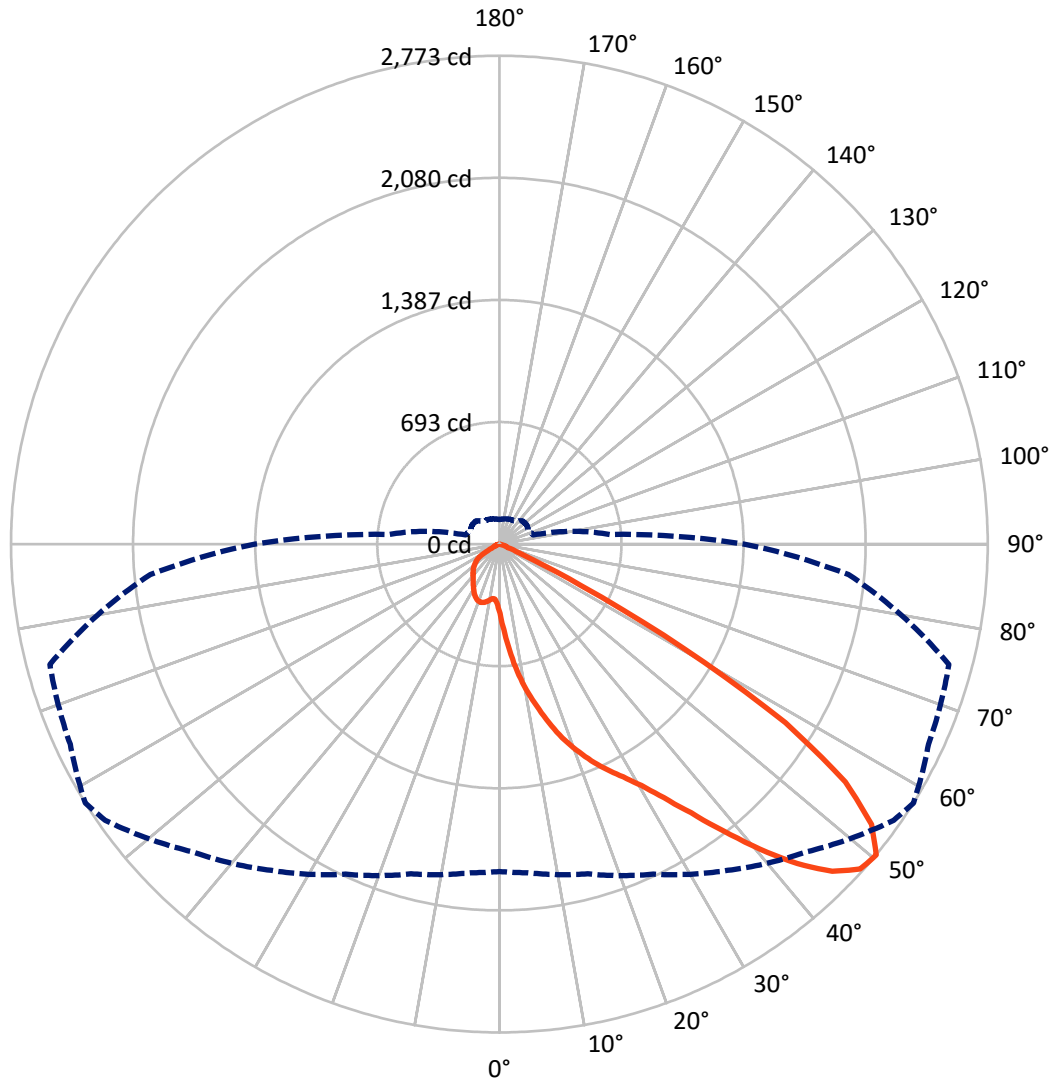
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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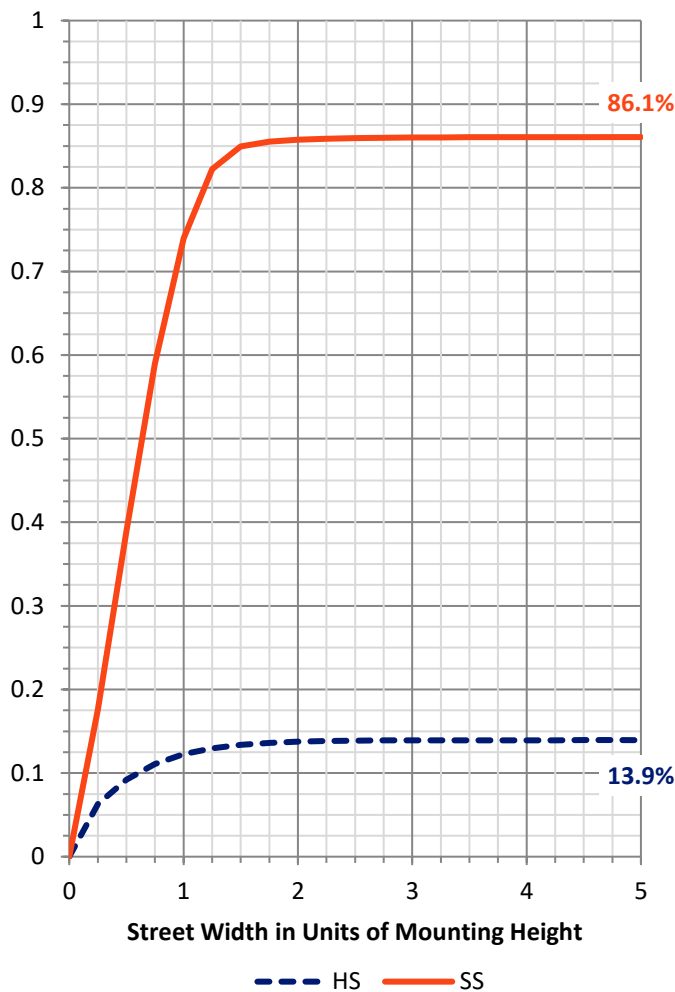
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	461.6	0.0	461.6
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	2834.3	0.0	2834.3
	% Fixture	86.0	0.0	86.0
Total	Lumens	3295.9	0.0	3295.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.8	1.5
10°-20°	193.1	5.9
20°-30°	390.7	11.9
30°-40°	691.2	21.0
40°-50°	1007.6	30.6
50°-60°	807.6	24.5
60°-70°	145.5	4.4
70°-80°	11.5	0.3
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°	3295.9	100.0
0°-180°	3295.9	100.0

Coefficient of Utilization



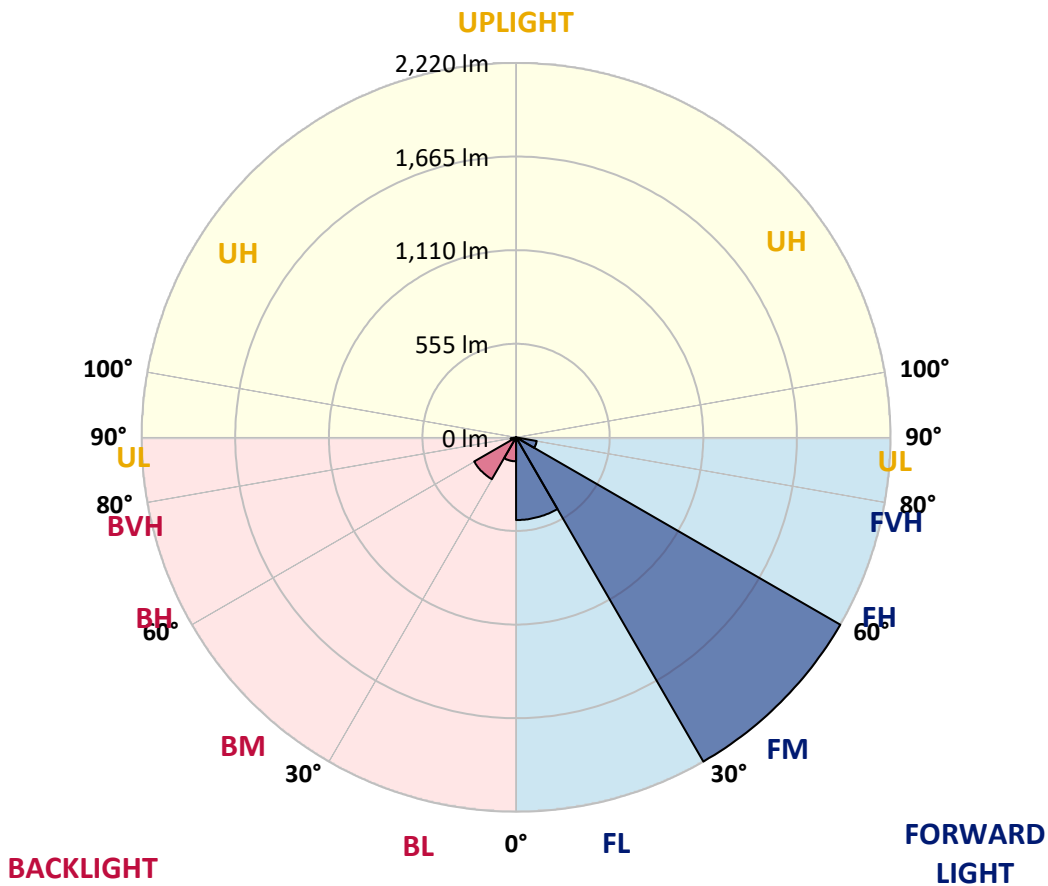
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	490.4	14.9			
FM (30°-60°)	2219.7	67.3			
FH (60°-80°)	124.2	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	142.1	4.3	B1/500		
BM (30°-60°)	286.7	8.7	B1/1000		
BH (60°-80°)	32.8	1.0	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°	58°	65°	75°	85°
0°	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7
2.5°	582.6	573.4	568.2	563.9	545.2	515.6	496.3	486.0	469.1	440.6	415.9
5°	760.2	753.5	741.2	732.7	708.8	666.8	623.5	606.2	567.8	503.3	445.5
7.5°	878.0	873.0	868.4	857.2	834.6	796.5	748.6	730.6	671.4	579.8	485.0
10°	968.5	964.7	959.4	959.0	941.4	907.2	860.3	841.7	777.5	663.0	531.5
12.5°	1048.2	1045.0	1044.0	1053.8	1042.6	1017.2	966.4	943.2	875.1	747.9	583.0
15°	1102.8	1102.1	1106.7	1126.1	1132.4	1120.8	1078.2	1053.1	974.9	833.2	639.7
17.5°	1127.8	1130.0	1138.8	1172.3	1200.5	1210.3	1177.5	1156.4	1073.9	919.5	700.3
20°	1170.5	1169.8	1175.1	1206.8	1241.3	1276.6	1266.7	1248.7	1174.0	1010.8	767.6
22.5°	1290.7	1280.5	1269.2	1274.1	1286.5	1327.7	1346.0	1336.9	1277.3	1104.6	837.1
25°	1475.4	1464.8	1428.5	1393.2	1370.0	1388.7	1413.7	1418.3	1379.9	1200.8	909.7
27.5°	1671.3	1661.8	1620.9	1568.1	1501.4	1469.0	1487.7	1496.9	1480.7	1315.4	986.9
30°	1855.0	1842.3	1797.5	1732.0	1654.8	1605.1	1583.9	1590.3	1599.8	1451.0	1077.4
32.5°	2014.3	2004.8	1951.2	1882.1	1807.7	1755.9	1706.6	1717.1	1740.4	1617.1	1193.4
35°	2149.3	2144.3	2087.6	2018.8	1940.3	1913.8	1871.5	1873.6	1896.9	1817.6	1334.7
37.5°	2266.6	2258.2	2206.7	2142.9	2080.5	2076.3	2064.7	2065.7	2077.7	2051.3	1497.2
40°	2340.6	2332.9	2296.2	2256.8	2212.3	2213.1	2273.3	2277.9	2264.2	2280.7	1668.9
42.5°	2368.5	2362.8	2343.1	2343.5	2338.9	2359.7	2472.8	2481.3	2431.9	2460.8	1815.5
45°	2320.2	2317.7	2319.1	2369.9	2424.9	2489.0	2636.0	2650.8	2581.0	2580.3	1930.0
47.5°	2164.4	2159.5	2200.7	2287.1	2414.3	2539.1	2734.7	2757.6	2685.3	2648.7	2001.9
50°	1859.2	1873.3	1938.5	2068.2	2261.7	2470.3	2733.6	2773.4	2689.2	2642.7	1989.9
52.5°	1346.7	1343.9	1486.6	1665.0	1900.4	2250.4	2588.4	2646.6	2595.1	2583.8	1963.2
55°	732.7	758.5	854.7	1090.8	1384.8	1834.2	2256.8	2383.6	2443.2	2562.3	2011.4
57.5°	269.3	280.6	340.8	507.9	733.1	1140.5	1723.8	1915.2	2099.2	2502.4	2003.3
60°	108.6	110.7	134.6	186.8	308.0	580.5	1034.1	1204.0	1377.4	1915.6	1537.4
62.5°	78.9	81.8	91.3	109.3	155.8	253.8	445.9	518.5	566.7	948.8	757.4
65°	63.8	65.9	73.7	81.8	102.9	136.4	143.8	138.5	137.8	245.3	173.8
67.5°	52.9	55.0	60.6	66.3	74.0	68.0	49.3	51.8	42.3	41.9	34.2
70°	38.8	41.2	46.9	52.9	44.4	18.3	28.5	42.3	32.1	26.8	26.1
72.5°	29.3	31.0	36.3	34.5	13.0	7.0	19.0	30.7	24.7	19.7	19.4
75°	21.9	22.9	18.3	5.6	1.4	1.8	7.0	12.7	13.7	11.3	11.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.1	1.4	1.8	2.1
80°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7
2.5°	401.8	387.0	365.8	348.2	334.8	321.8	311.9	302.1	301.7	296.8	295.7
5°	418.7	391.9	353.2	325.3	308.4	298.2	291.1	287.6	285.8	284.1	283.4
7.5°	443.0	404.6	351.0	321.4	307.3	300.6	295.7	293.6	292.5	291.1	290.8
10°	473.0	422.9	358.8	328.8	316.5	310.2	304.9	301.7	299.9	297.5	296.8
12.5°	508.9	445.5	371.1	341.2	328.1	319.7	312.6	308.0	305.6	302.4	301.7
15°	547.7	469.8	384.9	352.5	336.9	326.0	317.2	310.2	305.6	301.7	300.6
17.5°	587.9	494.5	397.2	360.2	341.2	328.1	315.4	305.9	300.3	295.4	293.9
20°	633.0	519.9	405.3	361.6	339.8	322.5	307.7	295.7	290.1	283.4	282.0
22.5°	680.2	543.5	408.8	358.4	332.0	311.9	296.1	283.7	275.6	268.6	266.5
25°	726.1	564.6	407.1	349.6	320.4	297.1	280.9	268.2	259.4	252.4	250.6
27.5°	774.7	582.3	400.7	336.6	304.5	280.9	265.4	254.5	246.4	238.6	236.8
30°	829.3	598.5	390.5	320.7	285.8	264.3	252.4	245.0	236.1	228.0	225.6
32.5°	895.2	612.9	375.7	301.7	269.3	249.9	243.2	237.6	227.3	218.9	217.1
35°	970.7	624.9	357.0	282.0	253.1	240.7	239.3	231.9	218.5	208.7	206.5
37.5°	1058.1	636.5	334.8	262.6	241.1	236.5	236.8	224.2	207.9	196.0	194.6
40°	1152.2	648.2	310.2	245.7	230.2	234.0	230.9	212.9	186.4	174.8	173.4
42.5°	1250.1	660.8	285.1	229.8	221.0	224.5	219.9	190.3	171.3	165.3	164.6
45°	1338.6	676.0	258.0	213.9	211.8	210.8	203.0	172.3	164.2	160.0	159.7
47.5°	1402.4	673.5	229.1	198.8	202.0	198.4	174.8	163.9	157.2	151.6	150.1
50°	1390.8	630.5	199.1	181.9	189.3	186.1	157.2	154.0	148.0	142.0	139.9
52.5°	1361.2	572.0	173.1	163.9	175.5	168.1	145.2	142.0	136.8	129.0	126.5
55°	1377.0	517.0	152.6	149.4	161.4	139.2	131.8	126.9	121.2	112.8	111.7
57.5°	1325.9	421.9	122.7	124.8	142.7	118.8	115.6	107.9	98.3	92.7	92.0
60°	917.8	226.6	76.8	79.3	103.3	99.7	103.6	96.6	84.9	79.7	78.6
62.5°	421.5	90.9	41.9	40.2	54.3	67.7	88.8	88.1	73.7	65.2	64.5
65°	102.2	41.6	30.0	28.2	30.7	40.5	57.8	69.4	59.6	49.7	48.6
67.5°	33.1	33.8	27.5	25.7	27.1	30.3	34.5	38.4	38.1	34.9	34.2
70°	26.4	30.7	25.4	23.3	23.3	24.3	23.3	18.7	16.2	17.6	18.3
72.5°	19.7	23.3	20.1	18.0	17.3	16.9	14.5	10.6	7.4	6.7	6.3
75°	11.6	13.0	12.3	10.6	9.9	8.8	7.0	4.6	2.5	1.8	1.1
77.5°	2.1	2.5	2.8	2.1	1.8	1.4	1.1	0.4	0.0	0.0	0.0
80°	0.0	0.4	0.4	0.4	0.0	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)