

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: P635083

Luminaire Tested: GWS-SA3D-722-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635083
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-722-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11408.5 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

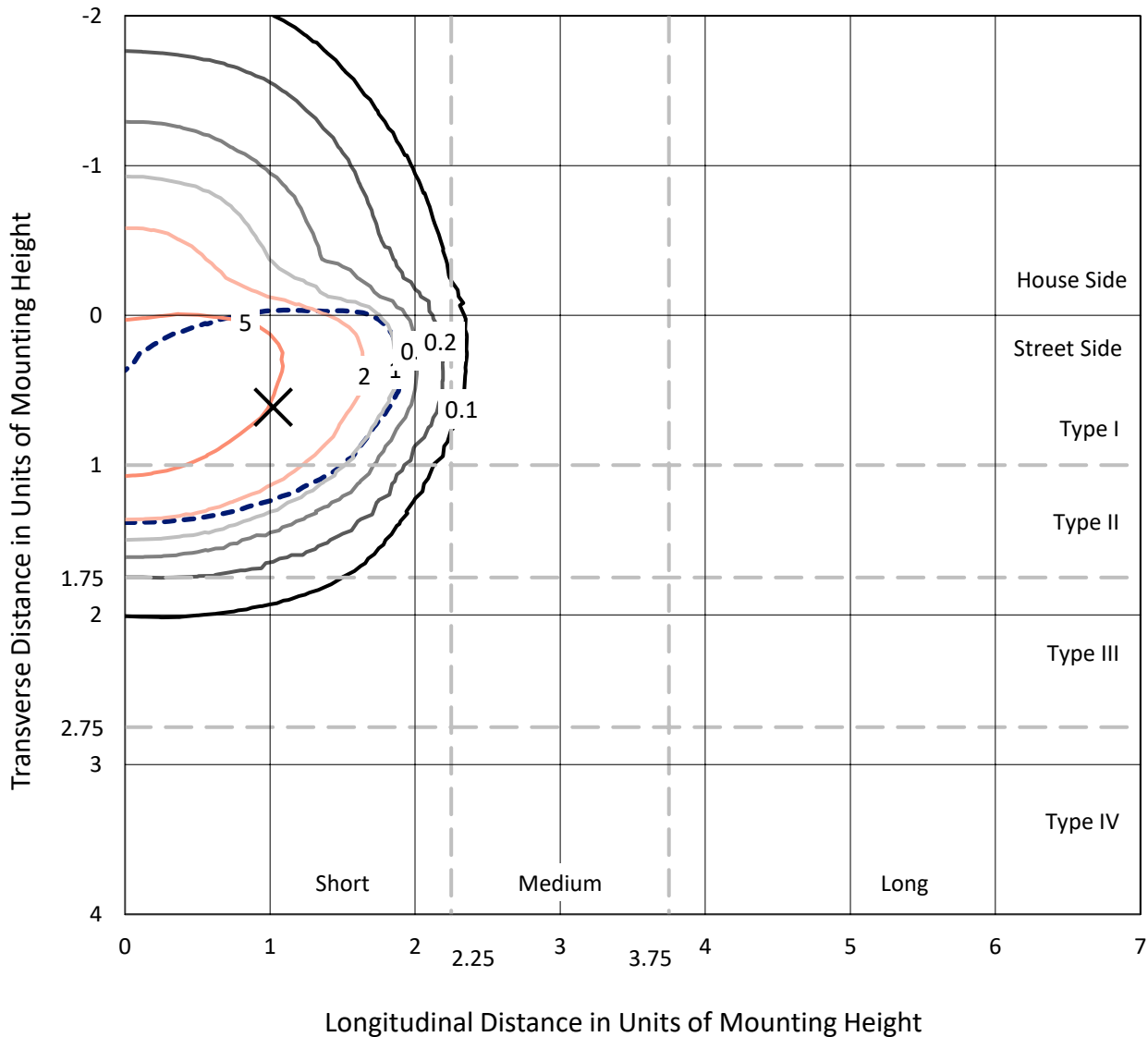
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

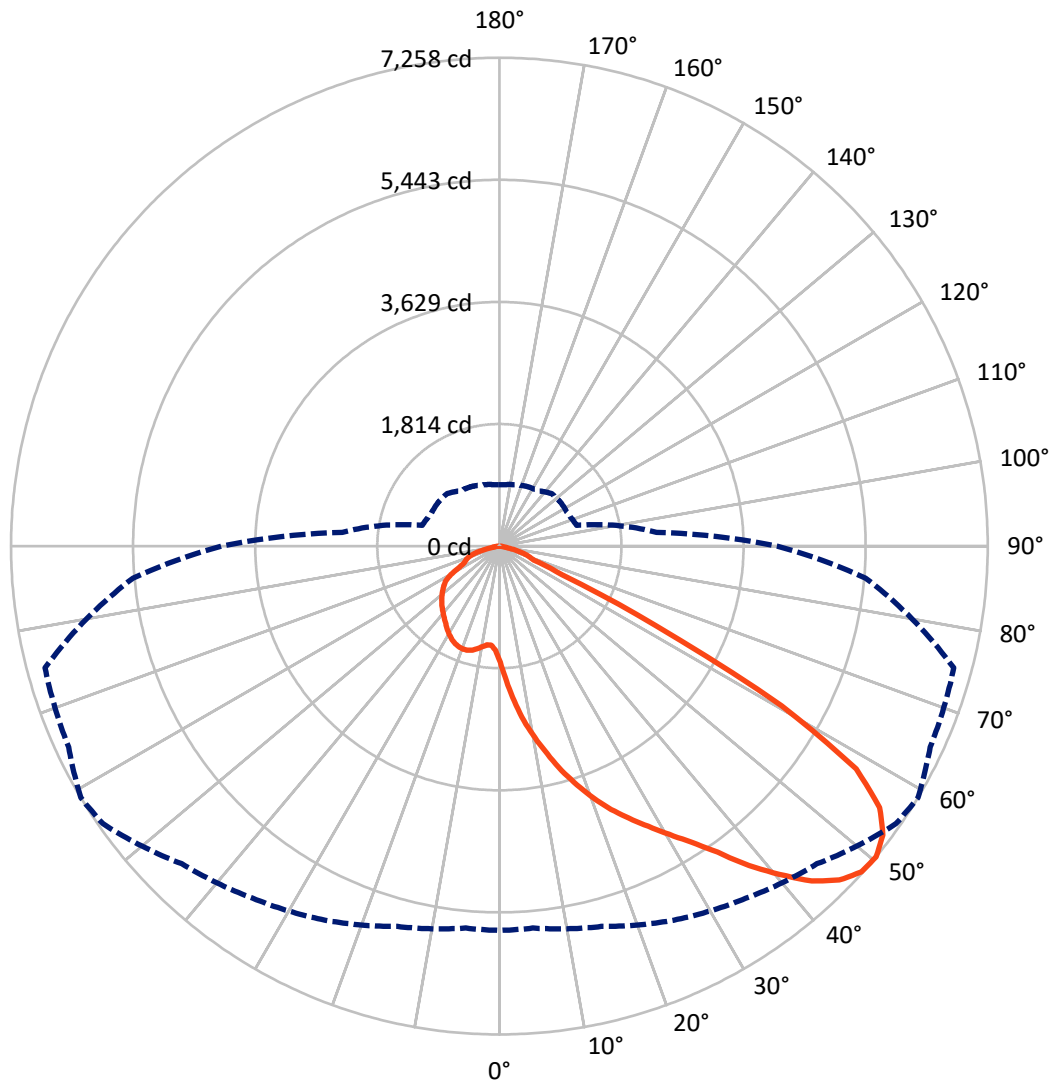
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2624.2	0.0	2624.2
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	8784.3	0.0	8784.3
	% Fixture	77.0	0.0	77.0
Total	Lumens	11408.5	0.0	11408.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.9	1.7
10°-20°	703.9	6.2
20°-30°	1332.9	11.7
30°-40°	2210.4	19.4
40°-50°	3019.5	26.5
50°-60°	2740.9	24.0
60°-70°	912.8	8.0
70°-80°	266.2	2.3
80°-90°	28.0	0.2
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°	11408.5	100.0
0°-180°	11408.5	100.0

Coefficient of Utilization



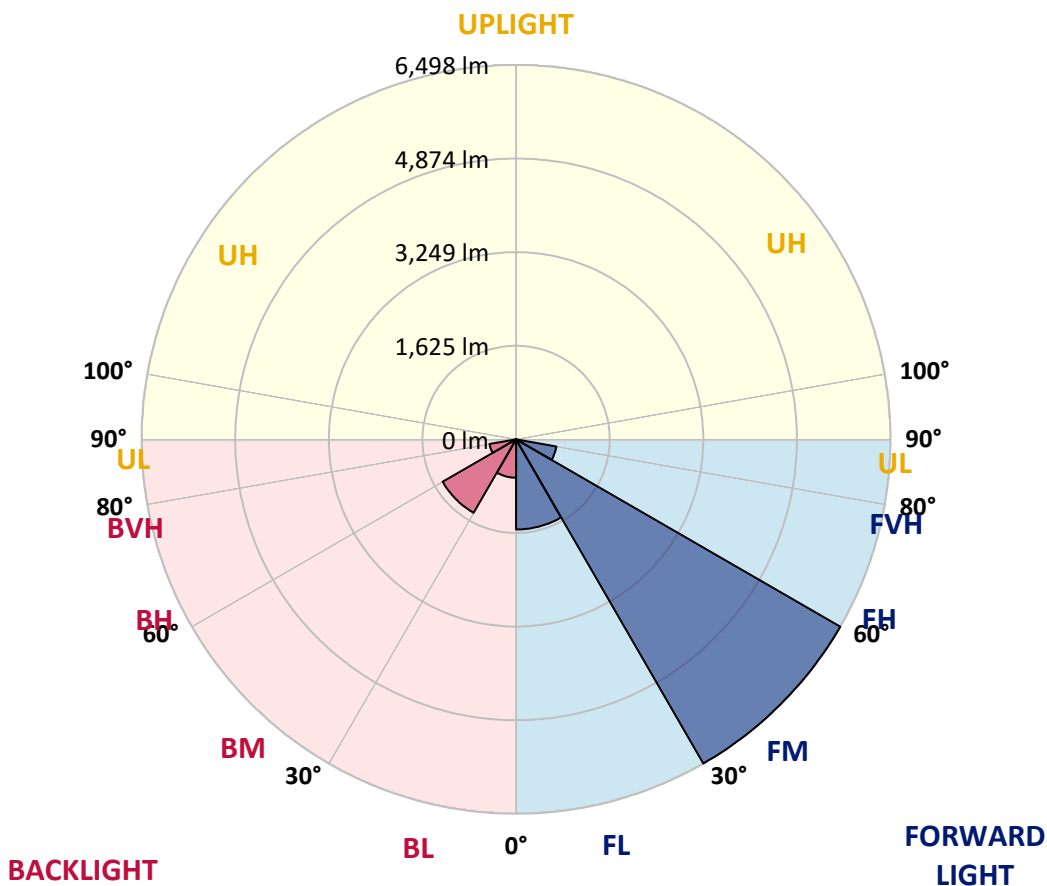
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1564.4	13.7			
FM (30°-60°)	6498.4	57.0			
FH (60°-80°)	710.6	6.2			G1/1800
FVH (80°-90°)	10.9	0.1			G1/100
BL (0°-30°)	666.3	5.8	B2/1000		
BM (30°-60°)	1472.4	12.9	B2/2500		
BH (60°-80°)	468.4	4.1	B1/500		G1/500
BVH (80°-90°)	17.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1728.5	1728.5	1728.5	1728.5	1728.5	1728.5	1728.5	1728.5	1728.5	1728.5	1728.5
2.5°	2239.6	2256.3	2230.3	2232.1	2167.1	2137.4	2053.7	2004.5	1971.9	1880.9	1798.2
5°	2691.2	2671.7	2651.2	2639.2	2582.5	2502.6	2398.5	2315.8	2239.6	2061.2	1889.2
7.5°	2968.1	2957.9	2944.0	2936.5	2880.8	2797.1	2693.1	2622.4	2511.9	2270.2	1999.8
10°	3203.2	3191.2	3182.8	3188.4	3142.8	3088.9	2975.6	2894.7	2770.2	2491.4	2133.6
12.5°	3385.4	3391.9	3394.7	3424.4	3404.9	3372.4	3255.3	3169.8	3031.3	2724.7	2290.7
15°	3529.4	3527.6	3560.1	3616.8	3648.4	3627.9	3534.1	3462.5	3293.4	2954.2	2459.8
17.5°	3562.9	3564.7	3615.8	3715.3	3818.4	3868.6	3815.6	3730.1	3562.9	3180.9	2635.4
20°	3589.8	3593.5	3646.5	3759.9	3910.4	4050.7	4059.1	3997.8	3853.7	3426.3	2813.9
22.5°	3759.9	3768.2	3782.2	3853.7	3989.4	4166.9	4264.5	4251.5	4130.7	3683.7	3006.2
25°	4206.9	4181.8	4113.9	4093.5	4145.5	4289.6	4455.9	4481.0	4421.5	3967.1	3213.5
27.5°	4758.9	4731.9	4631.6	4525.6	4413.2	4463.4	4640.8	4716.1	4717.0	4279.4	3421.6
30°	5259.7	5238.4	5156.6	5005.1	4810.9	4738.4	4869.4	4970.7	5031.1	4639.9	3658.6
32.5°	5688.1	5668.6	5558.0	5434.5	5244.9	5099.0	5146.4	5244.0	5385.2	5106.4	3953.2
35°	6048.7	6029.2	5923.3	5798.7	5623.1	5535.7	5519.0	5585.9	5769.0	5593.4	4291.4
37.5°	6341.4	6321.9	6211.3	6094.2	5960.4	5966.0	5991.1	6023.6	6128.6	6114.7	4652.9
40°	6531.0	6510.6	6431.6	6347.9	6263.4	6330.3	6454.8	6415.8	6471.5	6535.7	4985.6
42.5°	6615.6	6589.6	6544.0	6525.4	6499.4	6603.5	6843.2	6804.2	6737.3	6816.3	5232.8
45°	6531.0	6508.7	6507.8	6564.5	6624.9	6758.7	7111.8	7080.2	6911.1	6952.0	5380.6
47.5°	6271.7	6252.2	6305.2	6453.9	6602.6	6797.7	7231.7	7237.3	7034.7	7008.7	5476.3
50°	5711.4	5698.4	5851.7	6133.3	6389.8	6676.0	7193.6	7257.7	7064.4	6991.0	5464.2
52.5°	4572.1	4632.5	4966.1	5436.3	5934.4	6462.2	7052.3	7136.0	6921.3	6874.8	5399.1
55°	3129.8	3157.7	3491.3	4178.1	4968.0	5999.5	6728.0	6857.2	6752.2	6855.3	5467.0
57.5°	1620.7	1643.0	1906.0	2515.6	3369.6	4741.2	5827.5	6251.3	6411.1	6953.8	5677.9
60°	665.4	684.0	792.7	1087.3	1699.7	2760.9	4193.9	4822.1	5197.5	6350.7	5042.3
62.5°	483.2	492.5	544.6	648.6	890.3	1353.0	2373.4	2604.8	2868.7	3980.1	3201.4
65°	407.0	417.2	459.1	522.3	649.6	829.9	1013.8	1019.4	1123.5	1621.6	1186.7
67.5°	341.0	350.3	387.5	441.4	525.0	589.2	544.6	545.5	543.6	588.2	568.7
70°	265.8	273.2	310.4	368.0	411.7	378.2	425.6	471.1	451.6	469.3	496.2
72.5°	194.2	202.6	235.1	278.8	267.6	269.5	344.8	391.2	380.1	399.6	424.7
75°	140.3	145.9	162.6	139.4	146.8	177.5	242.5	267.6	278.8	295.5	317.8
77.5°	45.5	45.5	51.1	64.1	79.9	98.5	123.6	133.8	150.5	169.1	184.9
80°	23.2	24.2	28.8	35.3	44.6	56.7	72.5	77.1	85.5	95.7	102.2
82.5°	11.2	12.1	13.9	17.7	23.2	29.7	40.0	44.6	50.2	56.7	61.3
85°	2.8	2.8	3.7	5.6	7.4	11.2	14.9	17.7	22.3	26.9	29.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.9	2.8	3.7	4.6	5.6	7.4
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°	1728.5	1728.5	1728.5	1728.5	1728.5	1728.5	1728.5	1728.5	1728.5	1728.5	1728.5
2.5°	1761.0	1709.0	1642.0	1585.4	1533.3	1493.4	1459.0	1442.2	1426.5	1415.3	1419.0
5°	1809.3	1720.1	1595.6	1509.2	1456.2	1429.2	1410.7	1401.4	1399.5	1392.1	1389.3
7.5°	1879.9	1752.6	1586.3	1498.9	1463.6	1449.7	1439.5	1433.9	1436.7	1429.2	1426.5
10°	1967.3	1806.5	1609.5	1532.4	1501.7	1491.5	1480.3	1472.9	1469.2	1458.0	1456.2
12.5°	2076.0	1873.4	1651.3	1575.1	1544.5	1526.8	1511.9	1498.9	1490.6	1476.6	1472.9
15°	2193.1	1947.8	1700.6	1617.0	1580.7	1554.7	1530.5	1511.0	1496.1	1477.6	1474.8
17.5°	2320.4	2025.8	1741.5	1645.8	1599.3	1564.9	1529.6	1500.8	1480.3	1456.2	1453.4
20°	2453.3	2104.8	1772.1	1659.7	1600.2	1553.8	1506.4	1468.3	1442.2	1418.1	1416.2
22.5°	2590.8	2177.3	1790.7	1656.0	1585.4	1527.7	1471.1	1428.3	1397.6	1368.8	1367.0
25°	2729.3	2247.0	1795.4	1641.1	1555.6	1488.7	1432.0	1381.8	1347.5	1314.9	1311.2
27.5°	2869.6	2305.6	1784.2	1611.4	1515.7	1443.2	1386.5	1337.2	1301.9	1269.4	1263.8
30°	3019.2	2355.7	1760.1	1572.3	1469.2	1394.9	1339.1	1301.9	1268.5	1235.9	1230.4
32.5°	3179.1	2399.4	1725.7	1525.0	1415.3	1346.5	1305.6	1272.2	1238.7	1209.9	1204.4
35°	3369.6	2428.2	1674.6	1463.6	1365.1	1311.2	1283.3	1244.3	1203.4	1171.8	1169.0
37.5°	3566.6	2450.5	1613.2	1405.1	1321.4	1290.8	1267.5	1214.6	1163.5	1125.4	1120.7
40°	3757.1	2469.1	1537.0	1350.2	1281.5	1275.9	1244.3	1178.3	1090.1	1047.3	1043.6
42.5°	3934.6	2474.7	1457.1	1291.7	1245.2	1242.5	1207.1	1104.9	1037.1	1010.1	1006.4
45°	4056.3	2470.0	1374.4	1236.9	1209.0	1194.1	1157.0	1051.9	1010.1	986.0	981.3
47.5°	4146.5	2445.9	1281.5	1179.3	1168.1	1147.7	1067.7	1018.5	979.5	955.3	950.7
50°	4130.7	2345.5	1187.6	1123.5	1118.9	1101.2	1002.7	976.7	942.3	916.3	912.6
52.5°	4048.9	2155.0	1091.9	1062.2	1071.5	1037.1	956.2	926.5	896.8	867.0	860.5
55°	4069.3	2017.5	1019.4	1002.7	1019.4	941.4	904.2	872.6	844.7	815.9	810.3
57.5°	4158.5	1881.8	942.3	938.6	956.2	868.0	837.3	797.3	757.4	734.1	734.1
60°	3492.2	1371.6	806.6	815.9	855.9	808.5	781.5	740.6	697.0	676.5	676.5
62.5°	2064.9	860.5	669.1	658.9	684.0	713.7	728.6	695.1	643.1	616.1	617.0
65°	909.8	626.3	590.1	581.7	574.3	594.7	635.6	638.4	583.6	552.0	552.9
67.5°	560.4	566.9	552.0	545.5	539.0	535.3	531.6	533.4	518.5	489.7	488.8
70°	505.5	523.2	513.0	507.4	499.0	492.5	470.2	434.0	408.9	401.5	409.8
72.5°	434.9	459.1	453.5	450.7	440.5	424.7	394.9	359.6	329.9	311.3	315.0
75°	328.0	347.6	350.3	351.3	340.1	325.2	294.6	264.8	238.8	219.3	224.0
77.5°	188.6	199.8	202.6	205.4	197.0	191.4	171.0	149.6	135.7	115.2	120.8
80°	105.0	109.7	109.7	110.6	105.9	99.4	85.5	73.4	66.9	57.6	58.5
82.5°	63.2	65.0	66.0	66.9	64.1	57.6	47.4	39.0	35.3	30.7	29.7
85°	30.7	32.5	32.5	33.5	28.8	25.1	19.5	14.9	13.0	9.3	10.2
87.5°	7.4	8.4	8.4	7.4	6.5	4.6	2.8	0.9	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)