

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: P632390

Luminaire Tested: GWS-SA2C-750-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632390
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-750-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9653.7 lumens
Efficiency: N/A
Efficacy: 152.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

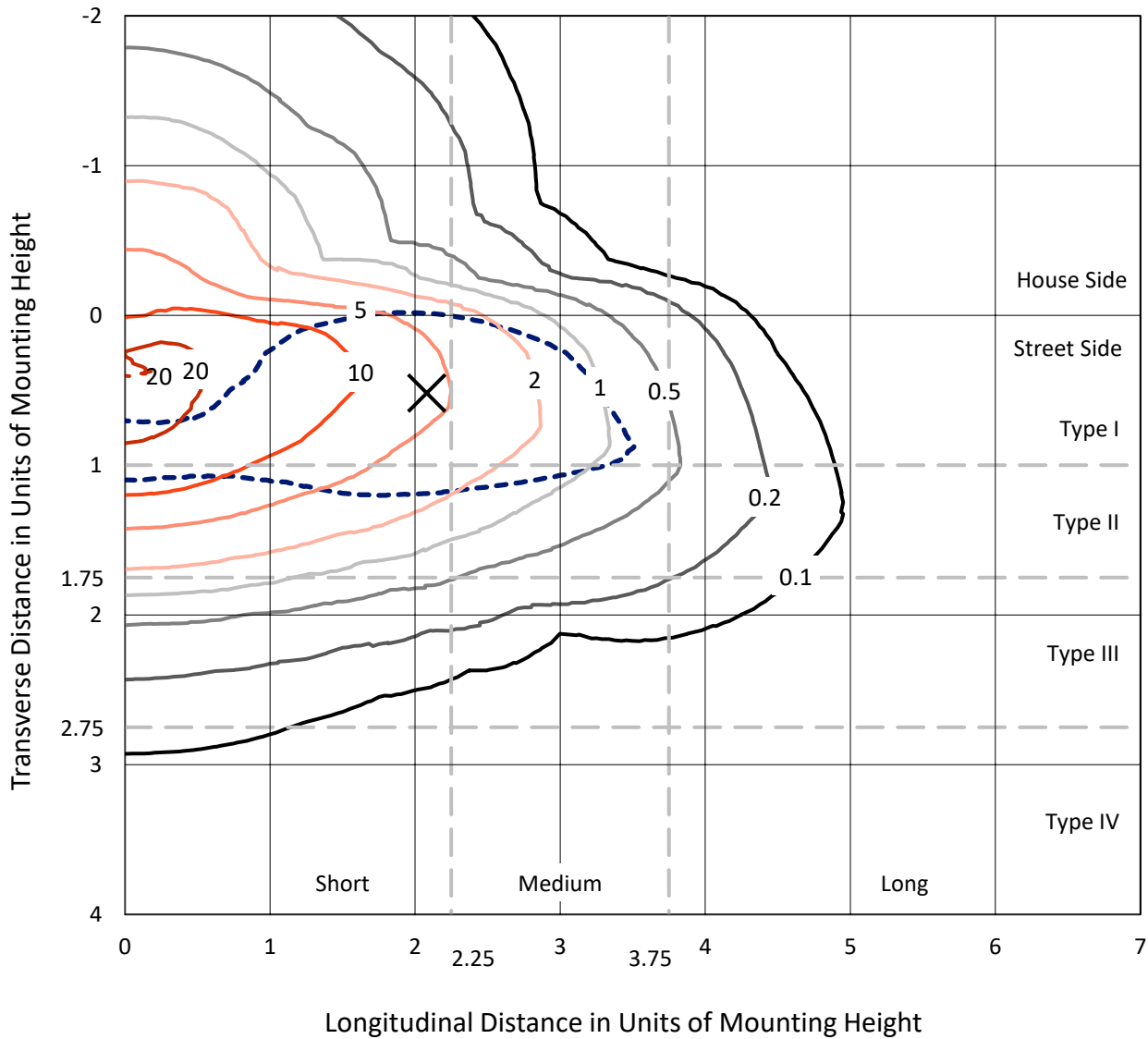
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632390
 CATALOG NUMBER: GWS-SA2C-750-U-T2R-W

Iso-Footcandle Lines of Horizontal Illumination

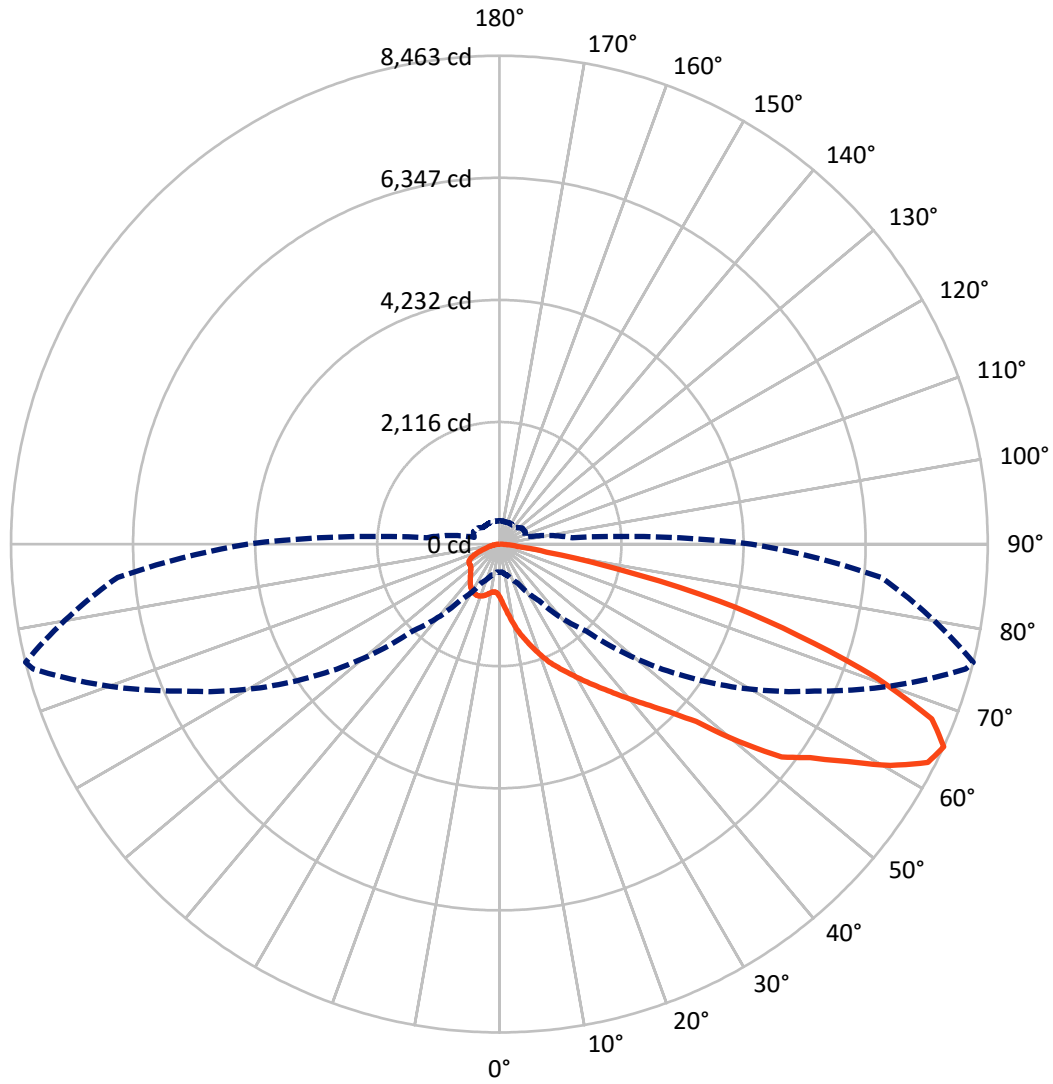
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.7 fc
 Type II - Short - N/A

REPORT NUMBER: P632390
CATALOG NUMBER: GWS-SA2C-750-U-T2R-W

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	1613.6	0.0	1613.6
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	8040.1	0.0	8040.1
	% Fixture	83.3	0.0	83.3
Total	Lumens	9653.7	0.0	9653.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.6	1.1
10°-20°	413.7	4.3
20°-30°	806.2	8.4
30°-40°	1348.3	14.0
40°-50°	1930.5	20.0
50°-60°	2285.5	23.7
60°-70°	1900.4	19.7
70°-80°	777.7	8.1
80°-90°	82.8	0.9
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°	9653.7	100.0
0°-180°	9653.7	100.0

Coefficient of Utilization



REPORT NUMBER: P632390

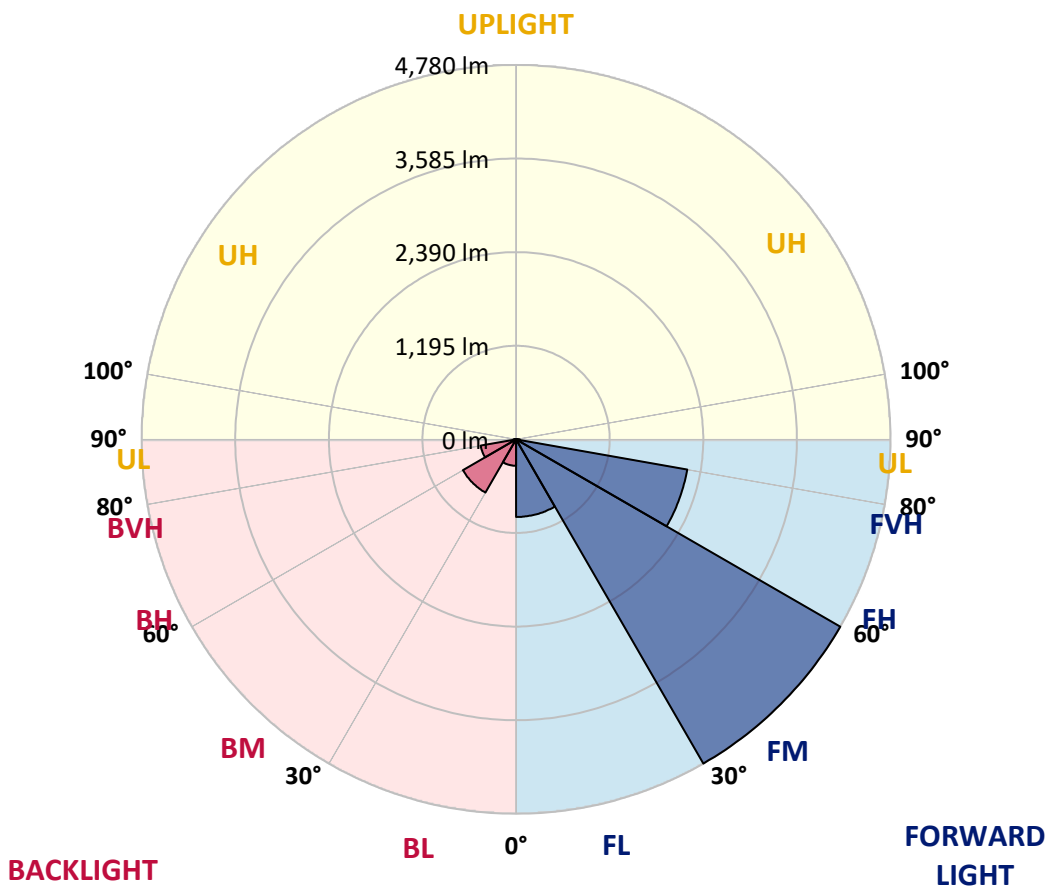
CATALOG NUMBER: GWS-SA2C-750-U-T2R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	990.9	10.3			
FM (30°-60°)	4780.2	49.5			
FH (60°-80°)	2219.6	23.0			G2/5000
FVH (80°-90°)	49.4	0.5			G1/100
BL (0°-30°)	337.6	3.5	B1/500		
BM (30°-60°)	784.2	8.1	B1/1000		
BH (60°-80°)	458.5	4.7	B1/500		G1/500
BVH (80°-90°)	33.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short





REPORT NUMBER: P632390
 CATALOG NUMBER: GWS-SA2C-750-U-T2R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	914.2	914.2	914.2	914.2	914.2	914.2	914.2	914.2	914.2	914.2	914.2
2.5°	1281.3	1286.1	1270.5	1265.0	1228.4	1178.9	1137.5	1075.0	1017.3	1008.5	956.9
5°	1627.5	1607.1	1589.4	1577.9	1527.0	1470.7	1383.1	1265.7	1142.9	1128.0	1016.6
7.5°	1833.1	1829.7	1808.0	1801.2	1761.8	1705.5	1615.2	1469.3	1290.8	1266.4	1097.4
10°	1998.0	1996.0	1985.1	1991.2	1955.3	1900.3	1812.7	1662.1	1453.0	1428.6	1187.7
12.5°	2141.9	2145.3	2143.2	2165.6	2147.3	2104.6	2013.6	1848.0	1615.2	1588.8	1297.6
15°	2247.1	2249.8	2260.0	2308.8	2319.0	2310.2	2217.9	2030.6	1775.4	1737.4	1411.0
17.5°	2276.9	2282.4	2306.8	2385.5	2440.5	2477.1	2408.6	2216.5	1932.9	1891.5	1526.3
20°	2317.0	2323.1	2347.5	2429.6	2510.4	2593.9	2581.7	2405.2	2091.7	2057.7	1643.1
22.5°	2502.3	2497.5	2486.7	2526.0	2583.7	2687.5	2718.1	2586.4	2255.9	2223.3	1772.0
25°	2859.2	2850.4	2781.2	2745.2	2726.2	2789.3	2843.6	2751.3	2416.1	2367.2	1892.1
27.5°	3252.9	3248.1	3159.9	3074.4	2957.6	2930.5	2962.4	2895.2	2571.5	2521.9	1996.6
30°	3625.5	3611.2	3518.9	3411.7	3255.6	3138.9	3092.0	3036.4	2741.8	2690.3	2118.8
32.5°	3958.7	3940.4	3831.8	3713.0	3549.4	3411.7	3271.9	3186.4	2934.6	2874.8	2243.7
35°	4232.2	4213.9	4102.6	3976.3	3796.5	3694.7	3503.3	3349.2	3130.7	3070.3	2391.0
37.5°	4443.9	4427.0	4310.9	4186.7	4029.9	3949.2	3782.9	3532.5	3356.7	3293.6	2547.1
40°	4562.7	4550.5	4457.5	4359.1	4227.4	4157.5	4082.9	3763.9	3609.9	3546.7	2731.0
42.5°	4598.7	4590.5	4525.4	4474.5	4385.6	4332.6	4375.4	4036.1	3880.0	3825.0	2938.0
45°	4508.4	4508.4	4489.4	4515.2	4519.3	4518.6	4668.6	4343.5	4211.8	4151.4	3229.8
47.5°	4277.7	4292.6	4320.4	4447.3	4581.0	4693.0	5011.3	4753.4	4638.7	4589.2	3643.1
50°	3855.5	3896.2	3991.3	4239.0	4523.3	4808.4	5335.7	5359.5	5468.7	5381.2	4251.2
52.5°	3237.3	3231.2	3473.4	3826.3	4260.0	4813.1	5514.2	5894.3	6188.1	6127.7	4703.2
55°	2572.8	2562.7	2788.7	3275.3	3856.2	4631.3	5621.4	6139.3	6587.2	6532.9	5109.7
57.5°	1970.2	1957.3	2158.2	2597.3	3286.1	4245.1	5601.1	6431.1	7136.2	7108.4	5662.2
60°	1356.0	1340.4	1528.4	1912.5	2611.5	3654.6	5375.8	6581.1	7778.9	7788.4	6253.3
62.5°	814.4	805.6	942.0	1239.9	1878.6	2923.0	4848.4	6490.1	8290.6	8333.4	6633.3
65°	491.4	485.2	565.3	739.8	1191.7	2133.1	4035.4	6025.2	8364.6	8463.0	6642.2
67.5°	357.7	358.3	381.4	450.6	695.0	1377.7	3028.2	5191.8	7979.1	8080.9	6223.4
70°	310.8	312.2	324.4	340.0	420.1	788.6	1968.8	4098.5	6839.6	6918.4	5219.7
72.5°	276.2	276.2	284.4	292.5	328.5	480.5	1054.7	2864.7	5398.1	5419.2	3983.8
75°	243.0	240.9	245.0	249.1	285.0	335.9	513.1	1996.0	3987.2	3938.3	2574.9
77.5°	193.4	191.4	192.1	196.1	228.7	240.2	259.9	1246.7	2247.1	2120.8	1137.5
80°	137.8	136.4	143.9	154.1	169.0	147.3	162.9	603.3	891.1	829.3	441.1
82.5°	82.1	84.8	96.4	104.5	116.7	92.3	105.2	201.6	315.6	307.4	179.2
85°	11.5	12.2	34.6	40.0	50.2	36.0	55.7	90.9	126.2	135.1	63.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.8	16.3	36.0	36.6	15.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P632390
 CATALOG NUMBER: GWS-SA2C-750-U-T2R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	914.2	914.2	914.2	914.2	914.2	914.2	914.2	914.2	914.2	914.2	914.2
2.5°	930.5	898.6	853.1	815.1	783.2	757.4	735.7	719.4	714.6	707.9	707.9
5°	964.4	906.7	825.3	767.6	734.3	714.6	701.1	694.3	690.9	686.8	684.8
7.5°	1011.2	930.5	820.5	762.1	736.4	724.1	715.3	711.2	708.5	704.5	704.5
10°	1075.7	965.7	835.4	781.2	760.8	748.6	738.4	731.6	725.5	719.4	718.0
12.5°	1145.6	1011.9	862.6	806.9	785.2	770.3	756.0	745.9	738.4	730.9	728.9
15°	1223.0	1059.4	891.8	832.1	804.9	784.5	767.6	752.0	741.8	730.9	729.6
17.5°	1299.0	1107.6	916.2	849.0	814.4	789.3	764.9	744.5	731.6	719.4	716.0
20°	1389.9	1155.8	933.2	853.8	812.4	779.1	749.9	724.1	709.9	695.6	693.6
22.5°	1473.4	1200.6	941.3	847.0	796.8	757.4	723.5	695.6	680.0	665.8	663.1
25°	1554.2	1239.9	937.9	830.7	773.0	727.5	692.2	664.4	649.5	634.6	630.5
27.5°	1632.2	1266.4	924.3	805.6	743.1	694.3	660.3	635.2	622.3	609.4	604.0
30°	1708.9	1290.8	903.3	773.0	705.1	659.7	631.8	614.2	601.3	587.7	583.7
32.5°	1786.3	1308.5	871.4	735.0	666.5	629.1	612.2	599.3	585.7	572.1	568.0
35°	1864.3	1315.9	832.7	691.6	633.9	609.4	603.3	588.4	570.1	553.8	548.4
37.5°	1957.3	1322.7	784.5	648.8	605.4	599.9	598.6	576.2	554.5	532.1	526.0
40°	2069.3	1331.6	735.0	610.1	582.3	596.6	591.1	560.6	517.1	495.4	488.6
42.5°	2206.4	1347.8	683.4	574.8	565.3	583.7	577.5	522.6	493.4	481.2	477.8
45°	2407.9	1407.6	631.8	547.0	552.4	565.3	555.8	500.2	488.6	480.5	476.4
47.5°	2766.9	1499.2	587.1	526.0	542.3	549.0	512.4	494.1	485.2	474.4	469.6
50°	3140.2	1539.2	551.1	513.1	530.7	534.1	488.6	485.9	479.8	468.3	463.5
52.5°	3392.7	1533.8	529.4	508.3	521.2	508.3	477.8	477.1	473.0	459.5	454.0
55°	3677.7	1543.3	519.9	509.7	517.1	464.9	464.2	466.2	464.2	449.3	446.6
57.5°	4062.5	1572.5	515.1	514.4	514.4	443.9	451.3	454.0	450.0	443.2	441.1
60°	4432.4	1574.5	506.3	519.9	512.4	431.0	436.4	439.1	434.3	433.0	432.3
62.5°	4571.5	1476.8	486.6	515.8	504.3	416.7	420.8	422.1	417.4	420.8	420.1
65°	4364.5	1269.1	454.0	496.1	479.1	403.8	401.1	404.5	396.3	405.2	405.8
67.5°	3875.2	1008.5	404.5	458.8	443.9	389.6	384.1	384.1	370.6	384.1	383.4
70°	3124.6	712.6	331.9	399.1	405.2	372.6	369.9	354.3	332.5	352.9	350.9
72.5°	2368.6	511.7	261.3	315.6	348.8	348.8	349.5	323.0	297.9	307.4	299.3
75°	1500.5	360.4	209.0	241.6	273.5	306.1	321.7	272.8	250.4	246.4	242.3
77.5°	676.0	236.9	162.9	185.3	194.1	241.6	293.9	234.8	204.3	195.5	192.7
80°	283.0	147.3	116.1	131.0	119.4	202.9	259.3	182.6	150.0	137.8	128.9
82.5°	124.2	87.5	74.0	70.6	74.7	150.7	193.4	121.5	93.7	126.9	128.3
85°	52.3	46.1	38.0	34.6	30.5	57.7	90.9	47.5	58.4	33.3	27.1
87.5°	12.2	13.6	10.2	6.8	4.1	0.7	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)