

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: P630404

Luminaire Tested: GWS-SA1D-750-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630404
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-750-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5171.3 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

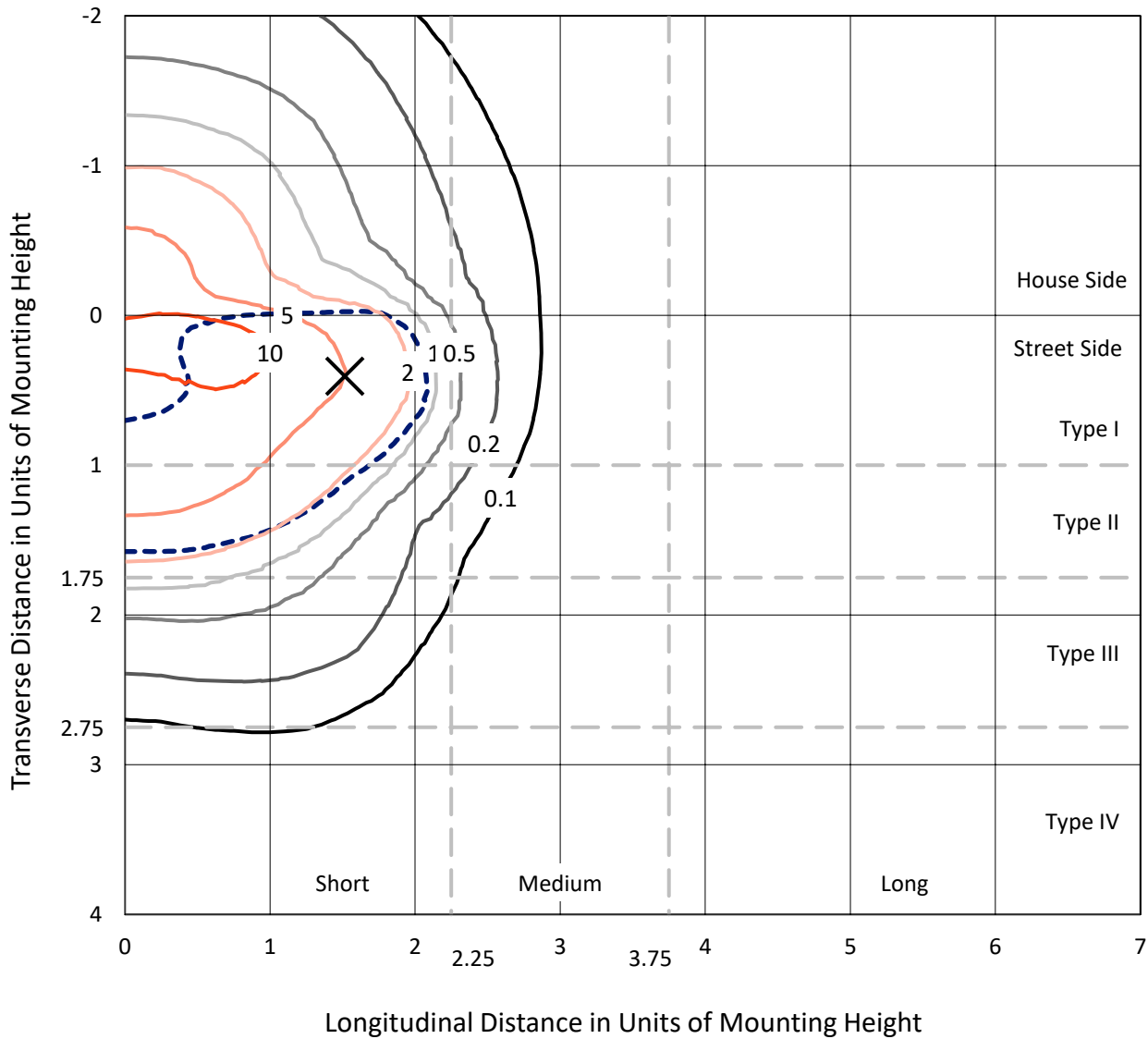
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

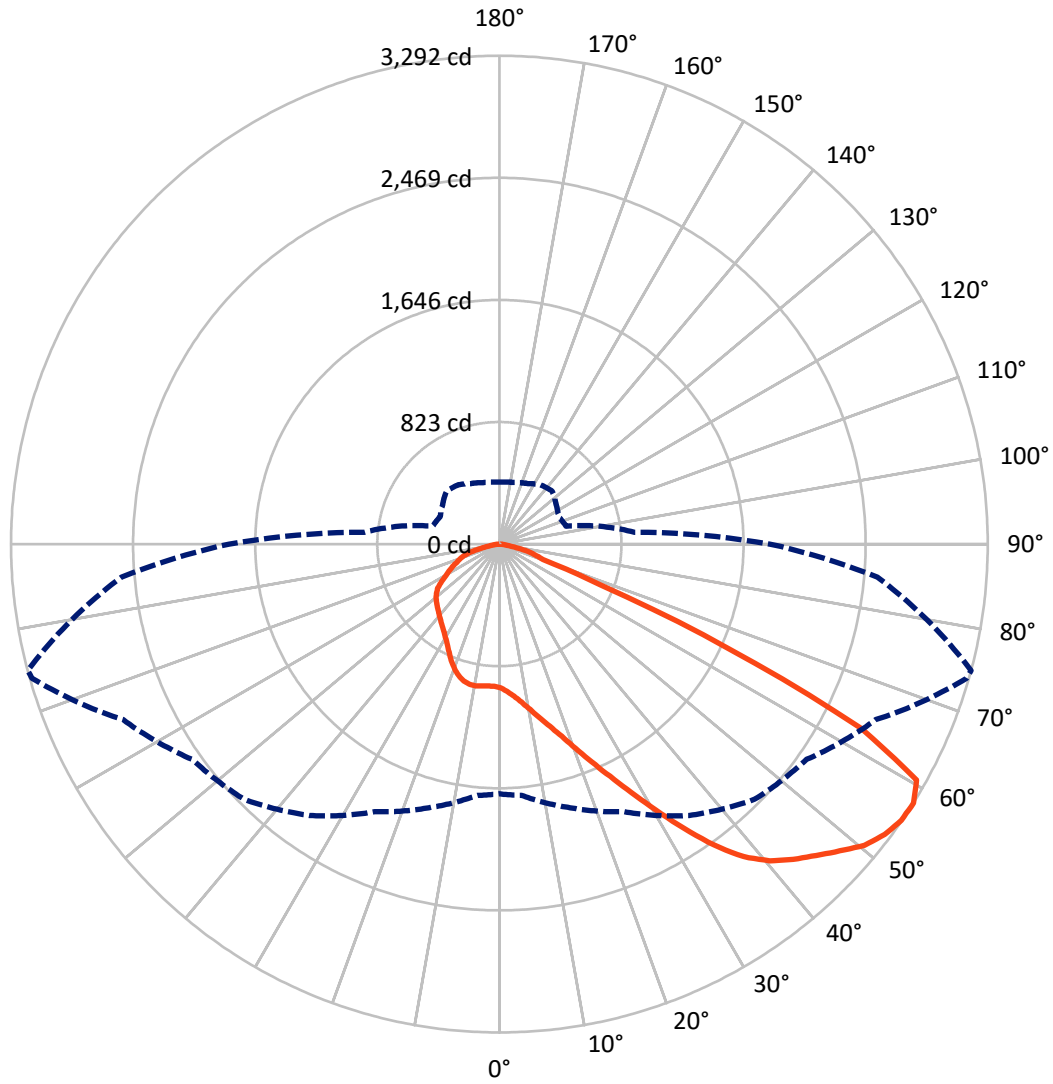
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.7 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	1398.9	0.0	1398.9
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	3772.4	0.0	3772.4
	% Fixture	72.9	0.0	72.9
Total	Lumens	5171.3	0.0	5171.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.9	1.9
10°-20°	308.6	6.0
20°-30°	547.2	10.6
30°-40°	837.7	16.2
40°-50°	1166.4	22.6
50°-60°	1336.5	25.8
60°-70°	686.7	13.3
70°-80°	172.9	3.3
80°-90°	18.5	0.4
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°	5171.3	100.0
0°-180°	5171.3	100.0

Coefficient of Utilization



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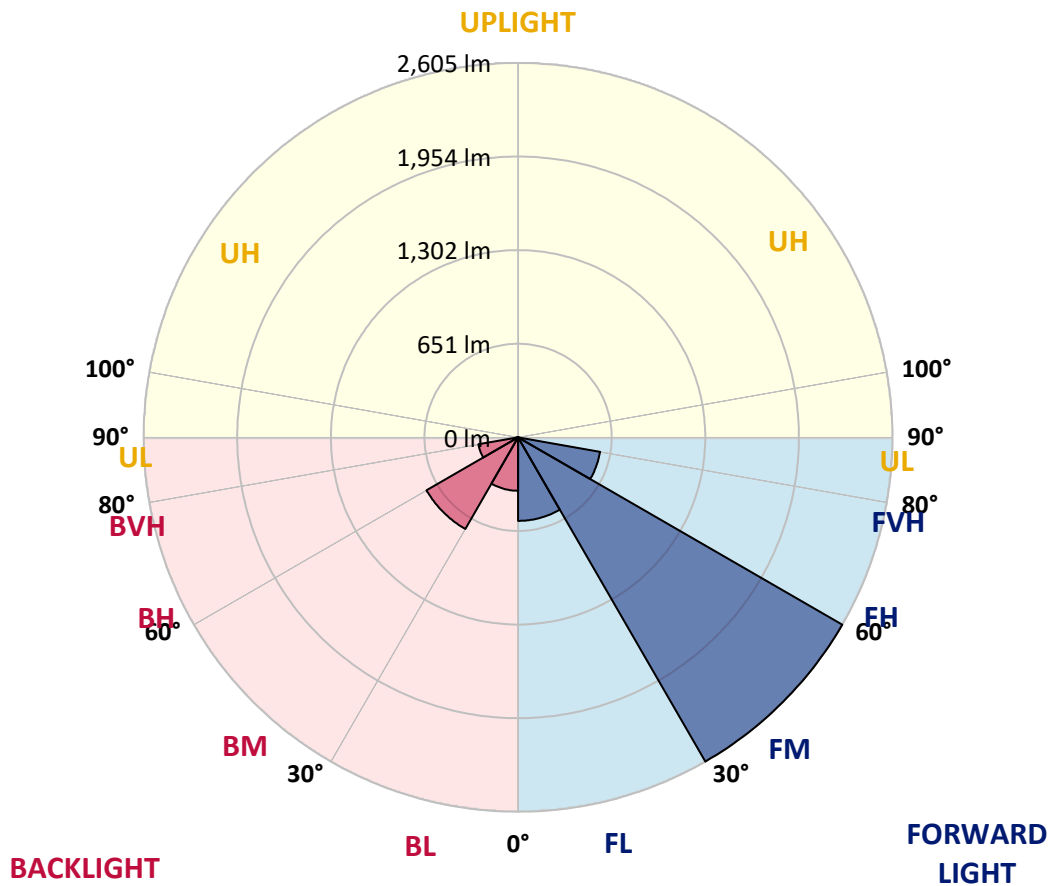
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	581.0	11.2			
FM (30°-60°)	2604.8	50.4			
FH (60°-80°)	579.7	11.2			G0/660
FVH (80°-90°)	6.8	0.1			G0/10
BL (0°-30°)	371.6	7.2	B1/500		
BM (30°-60°)	735.7	14.2	B1/1000		
BH (60°-80°)	279.9	5.4	B1/500		G1/500
BVH (80°-90°)	11.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	968.5	968.5	968.5	968.5	968.5	968.5	968.5	968.5	968.5	968.5	968.5
2.5°	1040.5	1043.2	1040.5	1044.9	1036.0	1032.0	1022.3	1007.6	996.0	994.3	981.4
5°	1121.4	1127.2	1123.6	1121.9	1109.9	1101.0	1086.3	1056.9	1032.9	1029.4	1004.0
7.5°	1173.4	1177.4	1177.4	1178.8	1174.3	1164.1	1148.5	1113.9	1080.1	1074.7	1036.5
10°	1190.8	1193.9	1199.7	1210.8	1219.7	1222.8	1212.6	1179.2	1137.9	1132.5	1079.2
12.5°	1194.8	1198.3	1207.2	1227.7	1252.2	1274.4	1276.2	1251.7	1205.5	1199.7	1128.5
15°	1202.3	1205.9	1217.9	1243.3	1279.3	1322.0	1348.2	1331.3	1280.2	1273.9	1184.6
17.5°	1201.5	1205.5	1223.2	1257.0	1305.5	1367.3	1418.0	1425.1	1372.2	1361.5	1248.1
20°	1199.2	1202.8	1221.9	1263.3	1323.3	1408.2	1499.8	1536.7	1479.8	1470.0	1322.4
22.5°	1217.0	1221.0	1235.7	1269.9	1332.6	1439.8	1575.4	1664.3	1607.4	1593.6	1407.8
25°	1257.0	1262.8	1271.7	1295.3	1349.5	1467.8	1652.8	1808.9	1750.6	1734.2	1500.7
27.5°	1318.8	1326.0	1338.4	1349.5	1387.3	1503.4	1729.7	1970.7	1912.5	1895.1	1599.0
30°	1394.4	1403.8	1419.8	1427.3	1453.1	1555.9	1813.3	2137.5	2103.7	2079.7	1709.7
32.5°	1498.9	1511.8	1526.9	1529.2	1544.7	1635.4	1896.0	2302.9	2302.4	2285.5	1835.5
35°	1635.0	1648.8	1651.9	1655.0	1662.6	1744.8	1996.1	2453.6	2511.9	2492.3	1972.5
37.5°	1783.5	1803.5	1808.4	1794.6	1805.3	1876.4	2108.6	2574.6	2694.2	2673.3	2105.0
40°	1942.3	1950.3	1963.6	1941.8	1955.2	2027.2	2218.8	2651.9	2830.2	2808.0	2209.5
42.5°	2056.1	2070.8	2090.8	2082.8	2090.3	2156.1	2296.2	2689.3	2927.2	2904.9	2284.6
45°	2179.7	2184.1	2197.0	2195.3	2199.7	2261.1	2351.8	2705.7	3013.9	2993.9	2348.7
47.5°	2287.3	2294.0	2302.4	2292.6	2282.9	2322.9	2397.1	2720.0	3113.9	3089.9	2415.8
50°	2390.9	2396.7	2406.9	2378.5	2342.0	2352.2	2419.4	2739.5	3207.7	3190.9	2468.7
52.5°	2410.0	2416.3	2464.3	2470.1	2423.4	2387.4	2458.5	2782.7	3262.9	3252.2	2487.8
55°	2169.5	2180.6	2276.2	2386.0	2501.2	2489.6	2521.2	2805.3	3284.7	3287.3	2522.1
57.5°	1683.9	1699.9	1839.5	1990.3	2232.6	2433.2	2529.2	2799.6	3277.1	3291.8	2557.2
60°	1104.5	1113.9	1279.3	1448.2	1699.5	1976.9	2263.7	2695.5	3210.0	3230.9	2548.3
62.5°	667.0	677.7	810.6	938.7	1086.7	1272.2	1535.4	2166.4	2690.6	2737.3	2041.0
65°	465.6	479.8	596.3	701.7	752.8	714.6	777.7	1209.9	1676.4	1695.9	1247.3
67.5°	337.5	347.3	442.9	568.3	624.7	504.7	384.6	535.8	730.1	737.2	514.5
70°	221.0	232.1	318.8	432.7	510.0	409.1	287.7	289.9	307.3	310.8	298.8
72.5°	121.4	128.1	197.0	287.2	301.5	244.6	224.6	241.0	253.0	253.0	256.1
75°	62.7	68.5	80.5	94.7	114.3	133.8	161.9	186.3	199.2	200.1	198.8
77.5°	32.0	34.2	43.1	46.7	51.1	59.6	77.4	99.2	110.7	115.2	114.3
80°	15.1	16.0	18.2	21.3	26.2	33.3	41.8	49.8	56.9	57.8	62.7
82.5°	8.0	8.9	9.8	11.6	14.2	17.8	24.5	29.3	33.8	34.7	38.7
85°	3.1	3.6	4.0	4.4	6.2	7.6	10.2	13.8	16.9	16.9	20.0
87.5°	0.0	0.0	0.0	0.0	0.4	0.9	1.8	2.2	3.1	3.1	5.3
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°	968.5	968.5	968.5	968.5	968.5	968.5	968.5	968.5	968.5	968.5	968.5
2.5°	978.2	965.3	959.6	950.2	942.7	934.2	927.6	922.7	919.5	917.8	916.0
5°	994.3	974.7	959.1	940.4	927.6	915.1	904.9	897.8	894.2	891.5	889.8
7.5°	1019.2	992.9	963.6	934.7	912.0	892.0	879.1	871.5	866.6	864.9	863.5
10°	1053.4	1016.9	968.5	922.7	888.9	867.1	858.2	854.6	855.1	854.2	853.7
12.5°	1092.1	1042.3	967.1	901.3	864.0	851.1	851.5	857.3	864.0	865.7	866.2
15°	1133.9	1067.2	954.2	873.7	844.4	845.7	857.3	871.1	883.5	888.4	889.3
17.5°	1179.2	1088.1	930.7	843.5	828.4	842.6	864.0	886.6	904.9	912.9	915.1
20°	1229.9	1105.9	897.3	813.7	813.3	836.8	868.0	897.8	920.9	931.6	933.3
22.5°	1283.7	1117.0	856.4	786.2	797.7	829.3	864.9	896.0	920.4	931.1	933.3
25°	1338.0	1120.5	811.5	760.8	781.7	817.3	849.7	874.6	897.8	907.1	908.9
27.5°	1388.7	1110.3	768.8	739.0	767.0	799.5	821.3	834.6	850.6	857.7	859.1
30°	1440.2	1089.9	732.8	721.7	750.6	775.0	784.8	785.7	791.9	791.9	792.8
32.5°	1492.3	1059.6	701.2	704.8	730.1	746.1	747.5	737.2	729.7	717.2	716.8
35°	1552.3	1028.9	675.4	685.7	706.1	715.9	711.9	692.3	674.1	653.6	652.8
37.5°	1607.9	997.4	653.6	666.1	679.0	686.1	676.8	653.2	638.1	617.2	614.1
40°	1653.7	968.9	632.7	645.6	651.9	658.1	643.0	623.9	626.1	614.5	614.1
42.5°	1680.4	941.3	613.2	623.0	627.0	631.4	618.1	603.8	615.8	607.0	607.4
45°	1699.9	917.3	595.4	599.0	608.7	615.4	603.0	586.9	589.6	555.4	547.4
47.5°	1722.2	904.0	578.5	574.9	592.3	603.8	584.7	561.6	545.6	511.8	508.7
50°	1745.7	899.1	560.7	550.9	571.8	582.9	560.7	531.8	510.9	492.7	490.9
52.5°	1753.7	898.6	538.5	522.0	542.9	558.5	539.8	510.5	485.6	467.8	466.9
55°	1785.3	911.5	510.0	482.5	502.0	534.0	520.2	478.0	458.0	450.0	449.1
57.5°	1822.2	913.8	465.1	439.3	466.4	504.2	486.9	450.4	428.6	418.9	418.0
60°	1807.1	859.1	417.1	406.4	436.2	476.2	460.2	428.6	403.3	394.0	393.1
62.5°	1377.1	606.5	382.0	378.0	403.7	435.8	432.7	399.7	375.7	369.1	368.2
65°	828.4	426.0	348.2	347.7	366.0	396.6	400.6	374.0	348.6	339.3	339.3
67.5°	409.5	325.9	309.9	307.7	319.3	341.1	357.9	336.2	314.8	305.9	304.6
70°	289.5	287.2	281.9	275.7	277.9	286.8	293.9	275.7	253.0	244.1	242.3
72.5°	250.3	250.8	247.2	242.3	240.6	234.3	228.1	214.8	201.0	191.6	192.5
75°	194.3	195.2	197.4	195.6	190.8	184.1	177.4	160.5	149.4	140.5	138.7
77.5°	113.4	117.8	124.9	123.2	124.1	114.7	112.1	95.6	85.4	79.1	77.8
80°	64.0	66.7	69.8	72.0	69.4	65.4	59.6	50.7	47.6	43.1	42.2
82.5°	38.7	41.4	42.7	44.5	43.6	38.2	33.8	28.0	25.3	23.1	22.7
85°	19.6	21.3	22.7	23.6	20.9	17.3	15.6	12.5	10.7	9.3	9.3
87.5°	4.9	5.3	6.2	5.3	4.9	2.2	1.8	0.4	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)