

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: P635357

Luminaire Tested: GWS-SA3D-750-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635357
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-SA3D-750-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12067.2 lumens
Efficiency: N/A
Efficacy: 99.9 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

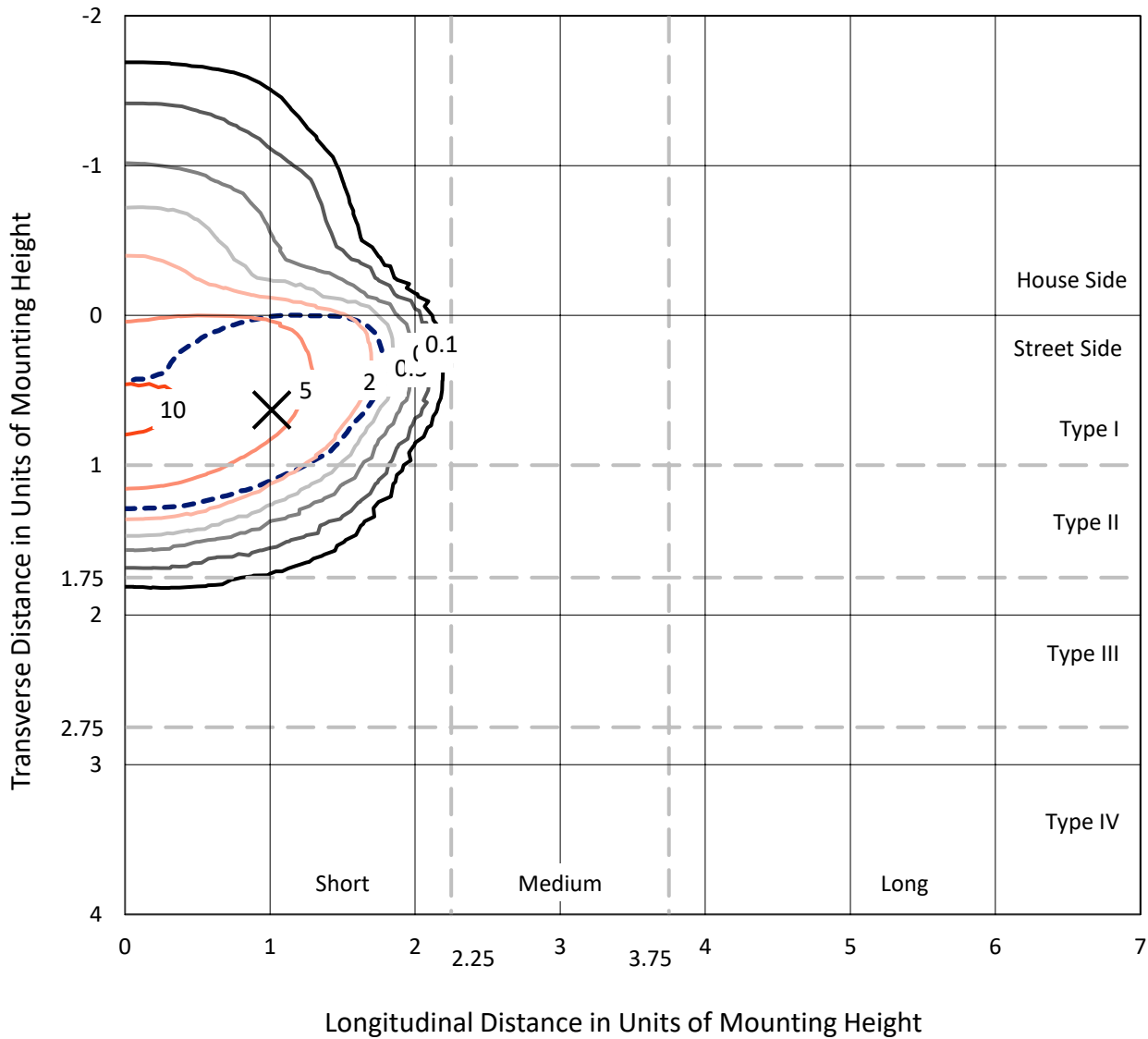
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

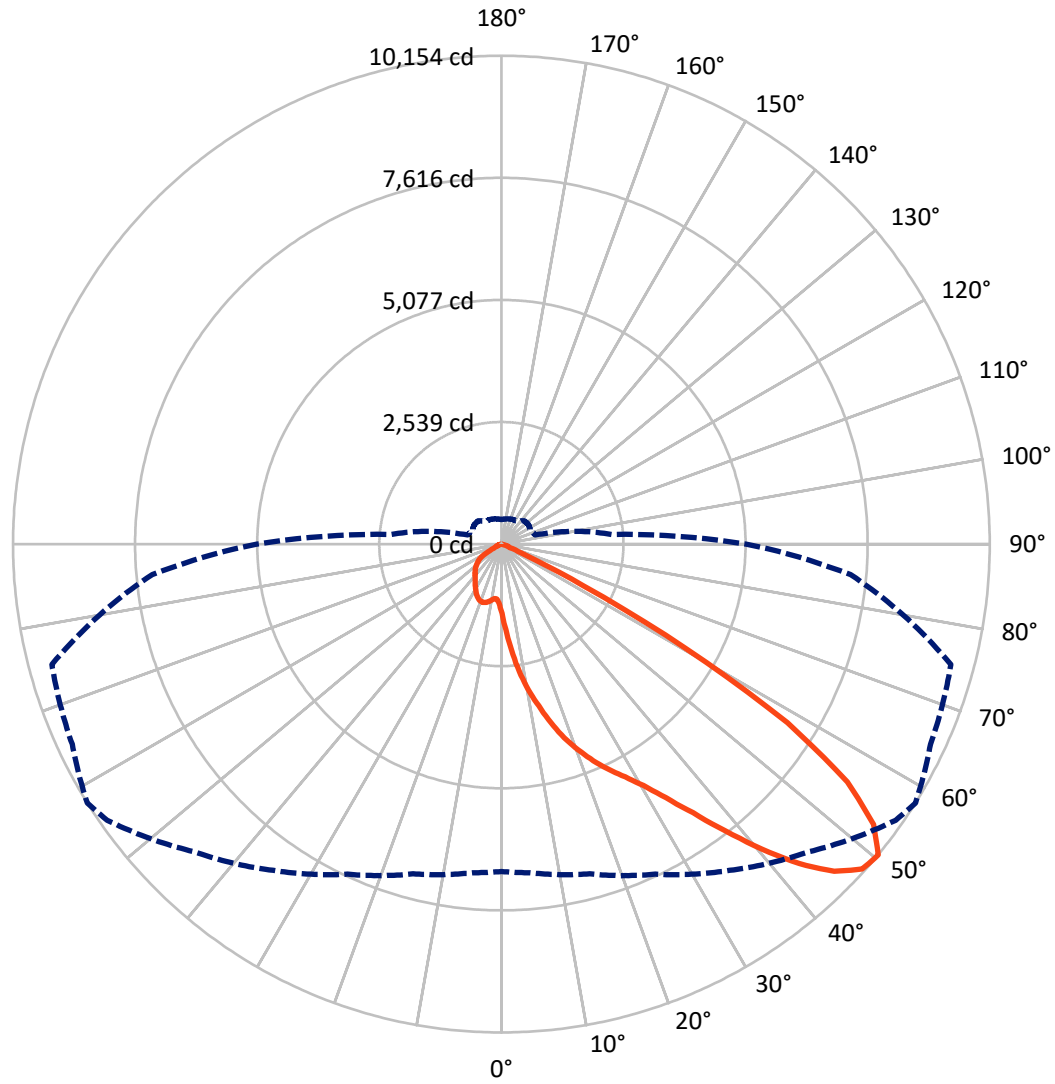
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.1 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	1690.2	0.0	1690.2
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	10377.0	0.0	10377.0
	% Fixture	86.0	0.0	86.0
Total	Lumens	12067.2	0.0	12067.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.6	1.5
10°-20°	706.9	5.9
20°-30°	1430.4	11.9
30°-40°	2530.6	21.0
40°-50°	3689.1	30.6
50°-60°	2956.9	24.5
60°-70°	532.7	4.4
70°-80°	42.0	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°	12067.2	100.0
0°-180°	12067.2	100.0

Coefficient of Utilization



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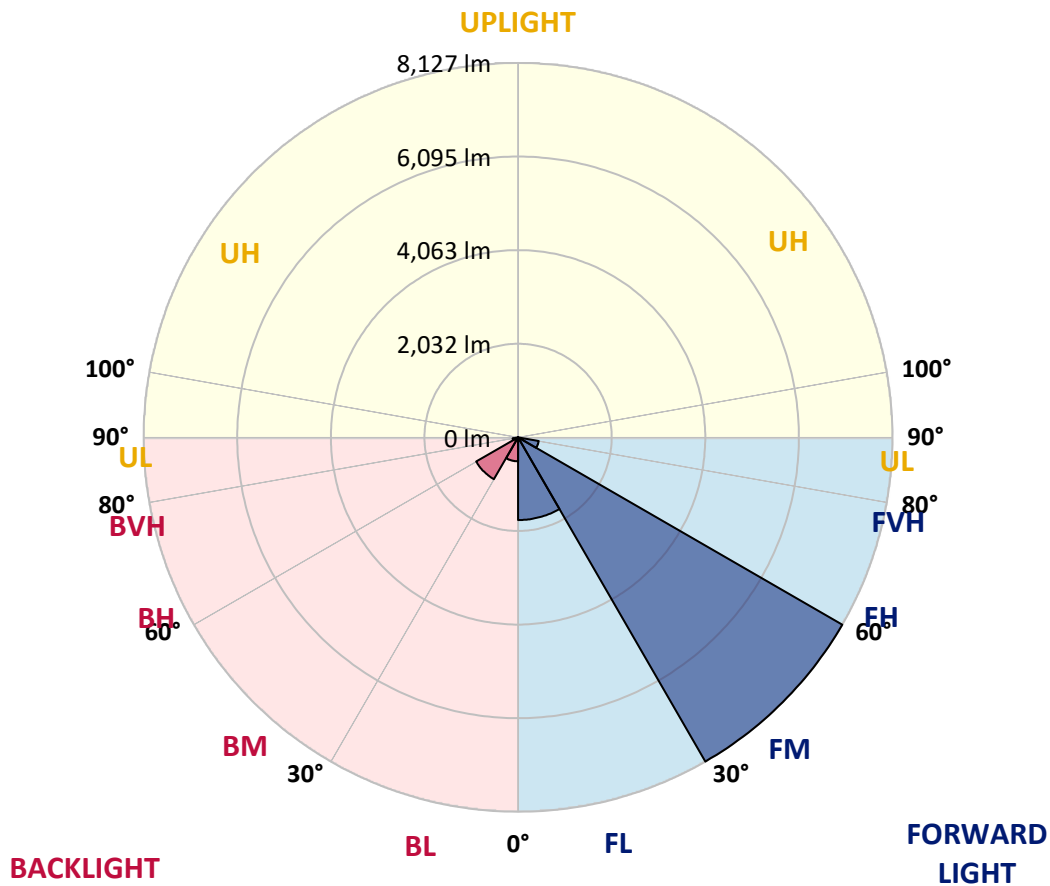
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1795.6	14.9			
FM (30°-60°)	8126.9	67.3			
FH (60°-80°)	454.6	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	520.3	4.3	B2/1000		
BM (30°-60°)	1049.7	8.7	B2/2500		
BH (60°-80°)	120.1	1.0	B1/500		G1/500
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: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1441.4	1441.4	1441.4	1441.4	1441.4	1441.4	1441.4	1441.4	1441.4	1441.4	1441.4
2.5°	2133.1	2099.5	2080.2	2064.7	1996.3	1887.9	1816.9	1779.5	1717.6	1613.0	1522.7
5°	2783.4	2758.9	2713.8	2682.8	2595.0	2441.5	2282.8	2219.5	2078.9	1842.7	1631.1
7.5°	3214.5	3196.4	3179.6	3138.3	3055.7	2916.4	2740.9	2675.1	2458.3	2122.8	1775.6
10°	3546.1	3531.9	3512.5	3511.3	3446.7	3321.6	3149.9	3081.5	2846.7	2427.3	1946.0
12.5°	3837.7	3826.1	3822.2	3858.4	3817.1	3724.2	3538.3	3453.2	3204.1	2738.3	2134.4
15°	4037.7	4035.2	4051.9	4122.9	4146.1	4103.6	3947.4	3855.8	3569.3	3050.6	2342.1
17.5°	4129.4	4137.1	4169.4	4292.0	4395.2	4431.3	4311.3	4233.9	3931.9	3366.7	2564.1
20°	4285.5	4282.9	4302.3	4418.4	4544.9	4673.9	4637.8	4572.0	4298.4	3700.9	2810.5
22.5°	4725.5	4688.1	4646.8	4664.9	4710.1	4861.0	4928.1	4894.6	4676.5	4044.2	3064.8
25°	5401.7	5363.0	5230.1	5101.1	5015.9	5084.3	5175.9	5192.7	5052.0	4396.5	3330.6
27.5°	6119.2	6084.4	5934.7	5741.1	5497.2	5378.5	5446.9	5480.4	5421.1	4815.9	3613.2
30°	6791.5	6745.1	6581.2	6341.2	6058.6	5876.6	5799.2	5822.4	5857.2	5312.7	3944.8
32.5°	7374.8	7339.9	7143.8	6890.9	6618.6	6428.9	6248.2	6287.0	6372.1	5920.5	4369.4
35°	7869.0	7851.0	7643.2	7391.6	7103.8	7007.0	6852.2	6859.9	6945.1	6654.7	4886.8
37.5°	8298.7	8267.8	8079.4	7845.8	7617.4	7601.9	7559.3	7563.2	7607.1	7510.3	5481.7
40°	8569.7	8541.3	8407.1	8262.6	8100.0	8102.6	8323.3	8340.0	8289.7	8350.3	6110.2
42.5°	8671.7	8651.0	8578.8	8580.0	8563.3	8639.4	9053.6	9084.6	8903.9	9009.8	6647.0
45°	8494.9	8485.8	8491.0	8676.8	8878.1	9113.0	9651.1	9705.3	9449.8	9447.2	7066.4
47.5°	7924.5	7906.4	8057.4	8373.6	8839.4	9296.2	10012.4	10096.3	9831.8	9697.6	7329.6
50°	6807.0	6858.6	7097.3	7572.2	8280.7	9044.6	10008.5	10154.4	9846.0	9675.6	7285.7
52.5°	4930.7	4920.4	5443.0	6096.0	6958.0	8239.4	9476.9	9689.8	9501.4	9460.1	7187.7
55°	2682.8	2777.0	3129.3	3993.9	5070.1	6715.4	8262.6	8727.2	8945.2	9381.4	7364.5
57.5°	985.9	1027.2	1247.8	1859.5	2684.1	4175.8	6311.5	7012.2	7685.8	9162.0	7334.8
60°	397.5	405.2	492.9	683.9	1127.8	2125.3	3786.1	4408.1	5043.0	7013.5	5628.8
62.5°	289.1	299.4	334.2	400.0	570.4	929.1	1632.4	1898.2	2075.0	3473.8	2773.1
65°	233.6	241.3	269.7	299.4	376.8	499.4	526.5	507.1	504.6	898.1	636.2
67.5°	193.6	201.3	222.0	242.6	271.0	249.1	180.7	189.7	154.9	153.6	125.2
70°	141.9	151.0	171.6	193.6	162.6	67.1	104.5	154.9	117.4	98.1	95.5
72.5°	107.1	113.6	132.9	126.5	47.7	25.8	69.7	112.3	90.3	72.3	71.0
75°	80.0	83.9	67.1	20.6	5.2	6.5	25.8	46.5	50.3	41.3	41.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	3.9	5.2	6.5	7.7
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°	1441.4	1441.4	1441.4	1441.4	1441.4	1441.4	1441.4	1441.4	1441.4	1441.4	1441.4
2.5°	1471.1	1416.9	1339.5	1274.9	1225.9	1178.2	1142.0	1105.9	1104.6	1086.5	1082.7
5°	1533.0	1435.0	1293.0	1191.1	1129.1	1091.7	1065.9	1053.0	1046.5	1040.1	1037.5
7.5°	1622.1	1481.4	1285.3	1176.9	1125.3	1100.7	1082.7	1074.9	1071.1	1065.9	1064.6
10°	1731.8	1548.5	1313.7	1204.0	1158.8	1135.6	1116.2	1104.6	1098.2	1089.1	1086.5
12.5°	1863.4	1631.1	1358.8	1249.1	1201.4	1170.4	1144.6	1127.8	1118.8	1107.2	1104.6
15°	2005.3	1720.1	1409.1	1290.4	1233.6	1193.6	1161.4	1135.6	1118.8	1104.6	1100.7
17.5°	2152.4	1810.5	1454.3	1318.8	1249.1	1201.4	1154.9	1120.1	1099.4	1081.4	1076.2
20°	2317.6	1903.4	1484.0	1324.0	1244.0	1180.7	1126.5	1082.7	1062.0	1037.5	1032.3
22.5°	2490.5	1989.8	1496.9	1312.4	1215.6	1142.0	1084.0	1038.8	1009.1	983.3	975.6
25°	2658.3	2067.3	1490.4	1280.1	1173.0	1087.8	1028.5	982.0	949.8	923.9	917.5
27.5°	2836.4	2131.8	1467.2	1232.4	1114.9	1028.5	971.7	931.7	902.0	873.6	867.2
30°	3036.4	2191.1	1429.8	1174.3	1046.5	967.8	923.9	896.8	864.6	834.9	825.9
32.5°	3277.7	2244.1	1375.6	1104.6	985.9	914.9	890.4	869.7	832.3	801.4	794.9
35°	3553.8	2287.9	1307.2	1032.3	926.5	881.4	876.2	849.1	800.1	763.9	756.2
37.5°	3873.9	2330.5	1225.9	961.4	882.7	865.9	867.2	820.7	761.4	717.5	712.3
40°	4218.4	2373.1	1135.6	899.4	842.6	856.8	845.2	779.4	682.6	640.1	634.9
42.5°	4577.1	2419.5	1044.0	841.4	809.1	822.0	805.2	696.8	627.1	605.2	602.6
45°	4901.0	2475.0	944.6	783.3	775.5	771.7	743.3	631.0	601.3	585.9	584.6
47.5°	5134.6	2466.0	838.8	727.8	739.4	726.5	640.1	600.0	575.5	554.9	549.7
50°	5092.0	2308.6	729.1	665.9	693.0	681.3	575.5	563.9	542.0	520.0	512.3
52.5°	4983.6	2094.4	633.6	600.0	642.6	615.5	531.7	520.0	500.7	472.3	463.3
55°	5041.7	1893.1	558.8	547.1	591.0	509.7	482.6	464.6	443.9	412.9	409.1
57.5°	4854.6	1544.6	449.1	456.8	522.6	434.9	423.3	394.9	360.0	339.4	336.8
60°	3360.3	829.7	281.3	290.3	378.1	365.2	379.4	353.6	311.0	291.6	287.8
62.5°	1543.4	332.9	153.6	147.1	198.7	247.8	325.2	322.6	269.7	238.7	236.1
65°	374.2	152.3	109.7	103.2	112.3	148.4	211.6	254.2	218.1	182.0	178.1
67.5°	121.3	123.9	100.7	94.2	99.4	111.0	126.5	140.7	139.4	127.8	125.2
70°	96.8	112.3	92.9	85.2	85.2	89.0	85.2	68.4	59.4	64.5	67.1
72.5°	72.3	85.2	73.6	65.8	63.2	61.9	52.9	38.7	27.1	24.5	23.2
75°	42.6	47.7	45.2	38.7	36.1	32.3	25.8	16.8	9.0	6.5	3.9
77.5°	7.7	9.0	10.3	7.7	6.5	5.2	3.9	1.3	0.0	0.0	0.0
80°	0.0	1.3	1.3	1.3	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)