

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: P635272

Luminaire Tested: GWS-SA3D-740-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635272
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-740-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13254 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G0

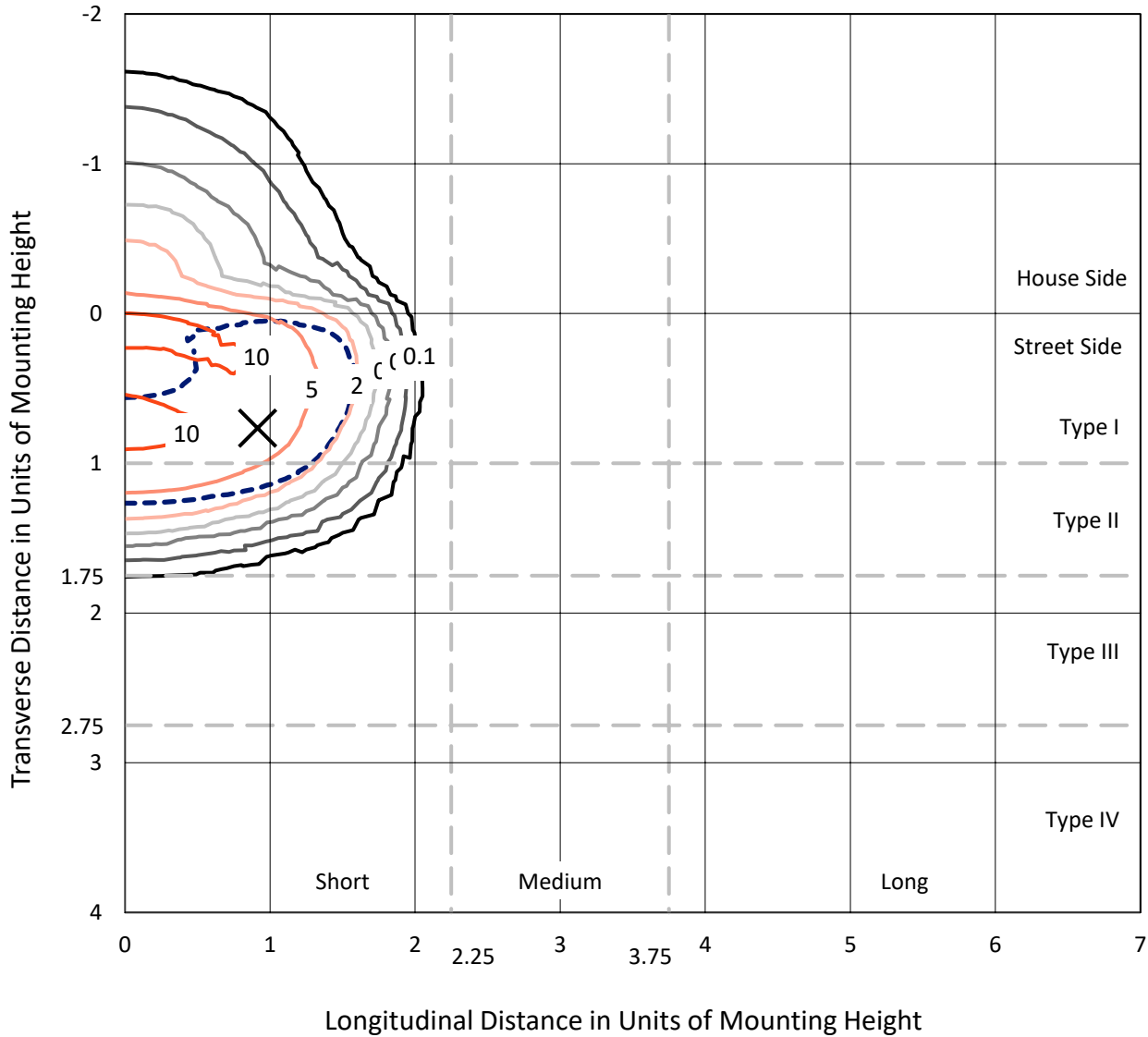
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

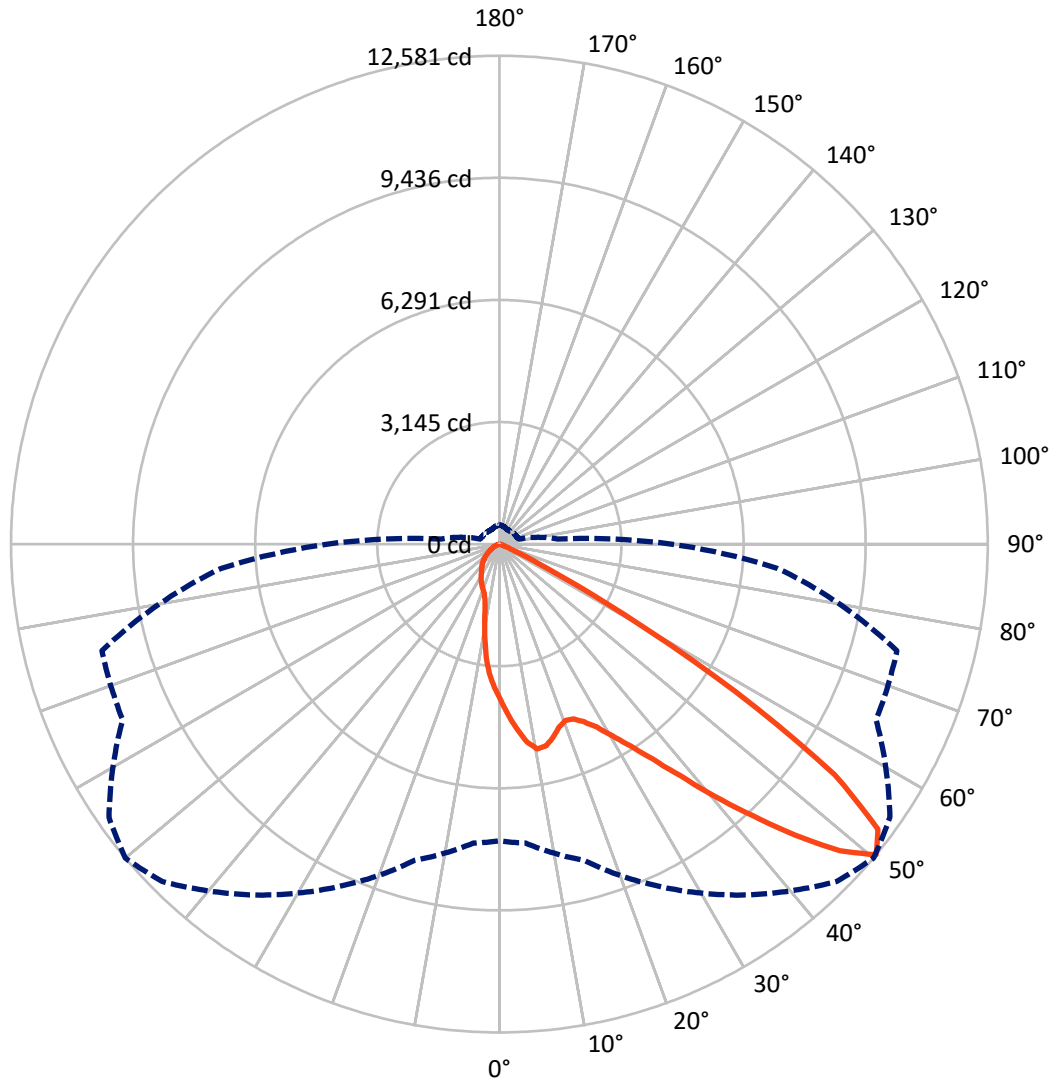
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1702.9	0.0	1702.9
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	11551.1	0.0	11551.1
	% Fixture	87.2	0.0	87.2
Total	Lumens	13254.0	0.0	13254.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.5	2.8
10°-20°	961.1	7.3
20°-30°	1586.1	12.0
30°-40°	2617.4	19.7
40°-50°	4141.3	31.2
50°-60°	3135.5	23.7
60°-70°	392.4	3.0
70°-80°	44.4	0.3
80°-90°	3.4	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°	13254.0	100.0
0°-180°	13254.0	100.0

Coefficient of Utilization



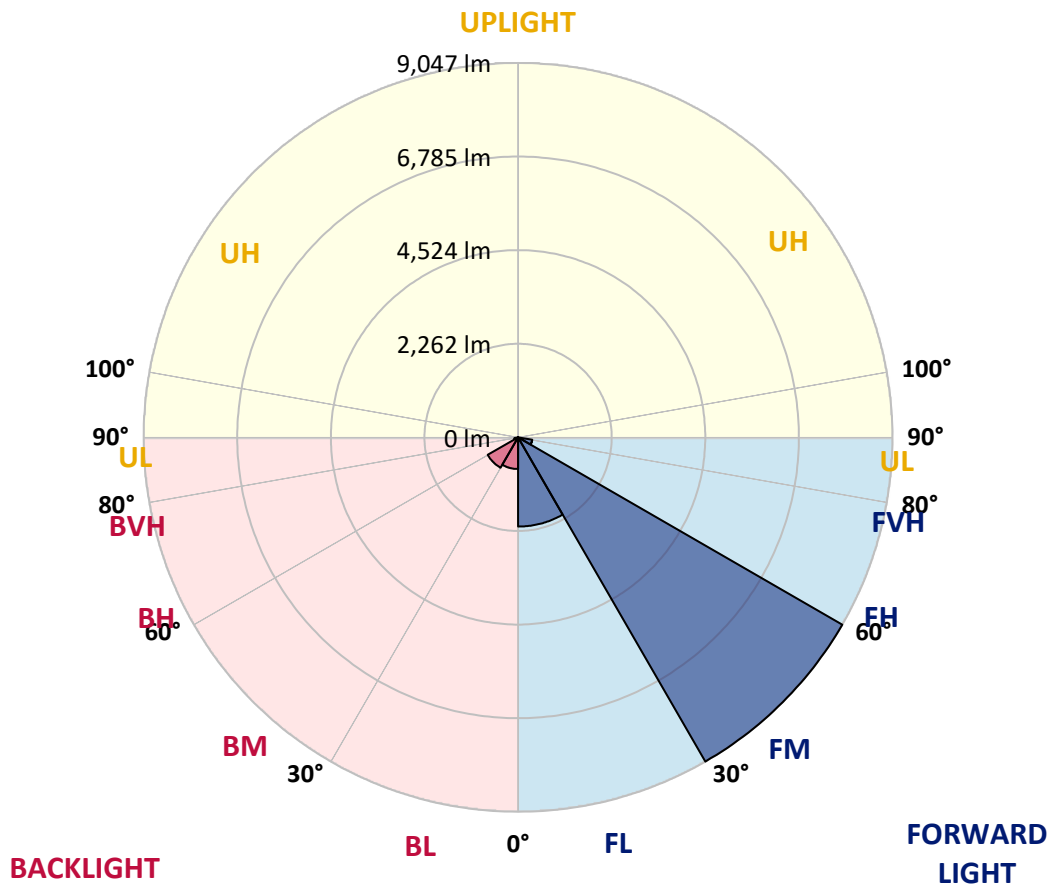
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2155.3	16.3			
FM (30°-60°)	9047.2	68.3			
FH (60°-80°)	346.9	2.6			G0/660
FVH (80°-90°)	1.6	0.0			G0/10
BL (0°-30°)	764.4	5.8	B2/1000		
BM (30°-60°)	846.9	6.4	B1/1000		
BH (60°-80°)	89.9	0.7	B0/110		G0/110
BVH (80°-90°)	1.8	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4015.4	4015.4	4015.4	4015.4	4015.4	4015.4	4015.4	4015.4	4015.4	4015.4	4015.4
2.5°	4575.6	4612.1	4602.0	4554.1	4502.4	4465.8	4409.0	4391.4	4262.7	4173.1	4078.5
5°	5128.1	5139.5	5126.8	5068.8	4978.0	4890.9	4797.6	4743.3	4527.6	4333.3	4135.3
7.5°	5260.6	5246.7	5270.7	5299.7	5287.1	5249.2	5150.8	5091.5	4834.2	4517.5	4217.3
10°	4846.8	4815.2	4904.8	5054.9	5212.6	5390.5	5365.3	5370.3	5133.1	4749.6	4324.5
12.5°	4298.0	4285.4	4352.3	4526.4	4835.4	5239.1	5336.3	5499.0	5406.9	5000.7	4446.9
15°	4057.1	4063.4	4103.7	4213.5	4435.5	4937.6	5171.0	5464.9	5651.6	5244.2	4581.9
17.5°	4093.6	4116.4	4115.1	4151.7	4286.7	4689.1	4961.6	5357.7	5840.9	5524.2	4737.0
20°	4342.2	4364.9	4330.8	4303.1	4348.5	4626.0	4851.8	5249.2	5968.3	5806.8	4901.0
22.5°	4714.3	4740.8	4660.1	4580.6	4551.6	4729.5	4893.5	5205.1	6065.4	6065.4	5047.4
25°	5164.7	5201.3	5076.4	4935.1	4854.3	4947.7	5071.3	5304.7	6165.1	6297.5	5147.0
27.5°	5668.0	5669.3	5562.1	5403.1	5251.7	5263.1	5337.5	5529.3	6274.8	6547.3	5225.2
30°	6234.5	6238.2	6095.7	5905.2	5714.7	5663.0	5726.1	5871.1	6503.2	6861.4	5333.7
32.5°	6966.1	6983.8	6779.4	6499.4	6252.1	6155.0	6191.6	6344.2	6866.5	7255.0	5496.5
35°	7955.2	7974.1	7672.6	7303.0	6909.4	6763.0	6799.6	6953.5	7392.5	7813.9	5756.3
37.5°	8931.6	8956.8	8651.5	8307.1	7767.2	7525.0	7562.8	7709.2	8182.3	8585.9	6172.6
40°	9606.5	9640.6	9546.0	9313.8	8813.0	8495.1	8540.5	8593.5	9051.4	9509.4	6712.6
42.5°	9962.3	10010.2	10050.6	10169.2	9905.5	9639.3	9562.4	9566.1	9935.8	10450.5	7274.0
45°	9983.7	10030.4	10237.3	10695.2	10895.8	10840.3	10700.3	10605.6	10610.7	11077.5	7624.7
47.5°	9289.9	9376.9	9764.2	10661.2	11415.5	11876.0	11805.4	11580.8	10894.5	11119.1	7586.8
50°	7646.1	7731.9	8435.8	9726.4	11037.1	12289.8	12581.2	12279.7	10709.1	10600.6	7197.0
52.5°	5553.2	5562.1	6018.7	7526.3	9503.1	11526.6	12212.8	12183.8	10426.5	9972.4	6664.6
55°	2637.8	2606.3	3119.8	4247.6	6572.5	9322.7	10479.5	10807.5	10025.3	9518.2	6252.1
57.5°	768.3	783.4	1011.7	1657.6	3287.5	5958.2	7176.8	7787.4	8228.9	7825.2	4849.3
60°	344.4	345.7	384.8	504.6	1095.0	2771.6	3710.1	4465.8	4919.9	4559.2	2405.7
62.5°	249.8	251.0	266.2	285.1	372.1	938.6	1391.5	1854.4	1888.5	1236.3	609.3
65°	208.2	208.2	210.7	210.7	223.3	335.6	422.6	545.0	459.2	340.6	238.4
67.5°	167.8	169.0	171.6	171.6	167.8	167.8	181.7	199.3	213.2	263.7	219.5
70°	131.2	129.9	129.9	131.2	127.4	108.5	117.3	133.7	146.3	205.6	190.5
72.5°	102.2	103.4	102.2	97.1	88.3	64.3	69.4	87.0	93.4	128.7	128.7
75°	77.0	78.2	73.2	55.5	36.6	20.2	26.5	42.9	54.2	63.1	46.7
77.5°	10.1	10.1	7.6	7.6	6.3	7.6	7.6	10.1	15.1	15.1	11.4
80°	1.3	1.3	1.3	2.5	3.8	5.0	5.0	5.0	5.0	6.3	6.3
82.5°	1.3	1.3	1.3	1.3	3.8	3.8	5.0	5.0	5.0	5.0	5.0
85°	0.0	0.0	0.0	1.3	2.5	3.8	3.8	5.0	5.0	5.0	5.0
87.5°	0.0	0.0	0.0	1.3	2.5	3.8	3.8	3.8	5.0	5.0	5.0
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°	4015.4	4015.4	4015.4	4015.4	4015.4	4015.4	4015.4	4015.4	4015.4	4015.4	4015.4
2.5°	4021.7	3948.6	3860.3	3799.7	3713.9	3657.2	3576.4	3522.2	3475.5	3438.9	3459.1
5°	4023.0	3906.9	3726.5	3572.6	3404.9	3251.0	3085.7	2955.8	2838.4	2785.4	2814.5
7.5°	4048.2	3881.7	3605.4	3331.7	3010.0	2692.1	2394.4	2152.2	2032.3	1975.5	1993.2
10°	4097.4	3870.4	3470.5	3016.3	2494.0	2060.1	1771.2	1607.2	1540.3	1505.0	1511.3
12.5°	4142.8	3862.8	3295.1	2601.3	1968.0	1598.4	1448.2	1425.5	1439.4	1440.7	1439.4
15°	4204.7	3848.9	3078.1	2174.9	1574.4	1381.4	1385.2	1418.0	1450.8	1460.8	1458.3
17.5°	4270.3	3827.5	2798.1	1766.1	1336.0	1318.3	1362.4	1406.6	1439.4	1444.4	1445.7
20°	4338.4	3783.3	2478.9	1441.9	1224.9	1270.4	1319.6	1352.4	1376.3	1383.9	1386.4
22.5°	4369.9	3690.0	2110.5	1209.8	1150.5	1211.1	1247.6	1290.5	1298.1	1270.4	1275.4
25°	4353.5	3532.3	1751.0	1053.4	1076.1	1136.6	1190.9	1169.4	1137.9	1117.7	1124.0
27.5°	4301.8	3322.9	1399.0	938.6	996.6	1073.6	1079.9	1055.9	1050.9	1034.5	1039.5
30°	4246.3	3081.9	1125.3	846.5	915.9	996.6	977.7	986.5	987.8	968.9	975.2
32.5°	4212.2	2829.6	895.7	784.7	864.1	879.3	917.1	934.8	936.1	891.9	899.5
35°	4223.6	2581.1	758.2	734.2	816.2	812.4	865.4	875.5	802.3	741.8	748.1
37.5°	4315.7	2351.5	680.0	695.1	732.9	762.0	802.3	735.5	719.1	691.3	695.1
40°	4487.2	2155.9	633.3	671.1	676.2	722.9	661.0	669.9	671.1	653.5	657.3
42.5°	4687.8	1993.2	605.5	657.3	644.6	652.2	590.4	608.1	627.0	619.4	620.7
45°	4788.8	1834.3	581.6	609.3	613.1	541.2	527.3	546.2	570.2	574.0	575.3
47.5°	4699.2	1682.9	556.3	539.9	565.2	493.3	476.9	483.2	510.9	526.1	528.6
50°	4425.4	1508.8	518.5	478.1	464.2	442.8	427.7	428.9	460.5	486.9	492.0
52.5°	4040.7	1327.1	456.7	404.9	373.4	389.8	393.6	386.0	415.0	441.5	446.6
55°	3667.3	1100.1	362.1	329.3	300.2	335.6	345.7	335.6	344.4	362.1	363.3
57.5°	2582.3	621.9	277.5	272.5	248.5	287.6	304.0	288.9	273.8	285.1	287.6
60°	1197.2	325.5	213.2	213.2	206.9	247.3	275.0	253.6	224.6	229.6	233.4
62.5°	374.7	205.6	156.4	147.6	169.0	210.7	233.4	211.9	177.9	177.9	182.9
65°	211.9	176.6	123.6	113.5	137.5	169.0	182.9	160.2	129.9	127.4	127.4
67.5°	196.8	167.8	109.8	92.1	97.1	108.5	113.5	98.4	89.6	88.3	89.6
70°	162.7	140.0	88.3	63.1	59.3	58.0	60.6	56.8	54.2	55.5	59.3
72.5°	100.9	84.5	55.5	37.8	32.8	31.5	31.5	31.5	30.3	30.3	30.3
75°	36.6	31.5	25.2	18.9	16.4	15.1	15.1	16.4	15.1	13.9	12.6
77.5°	11.4	10.1	10.1	10.1	8.8	7.6	6.3	6.3	5.0	3.8	3.8
80°	6.3	6.3	6.3	6.3	5.0	5.0	3.8	2.5	1.3	1.3	0.0
82.5°	6.3	6.3	6.3	5.0	5.0	5.0	3.8	2.5	1.3	0.0	0.0
85°	5.0	5.0	5.0	5.0	5.0	5.0	3.8	2.5	1.3	0.0	0.0
87.5°	5.0	5.0	5.0	5.0	5.0	5.0	3.8	2.5	1.3	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)