

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: P635302

Luminaire Tested: GWS-SA3D-740-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635302
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11796.9 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

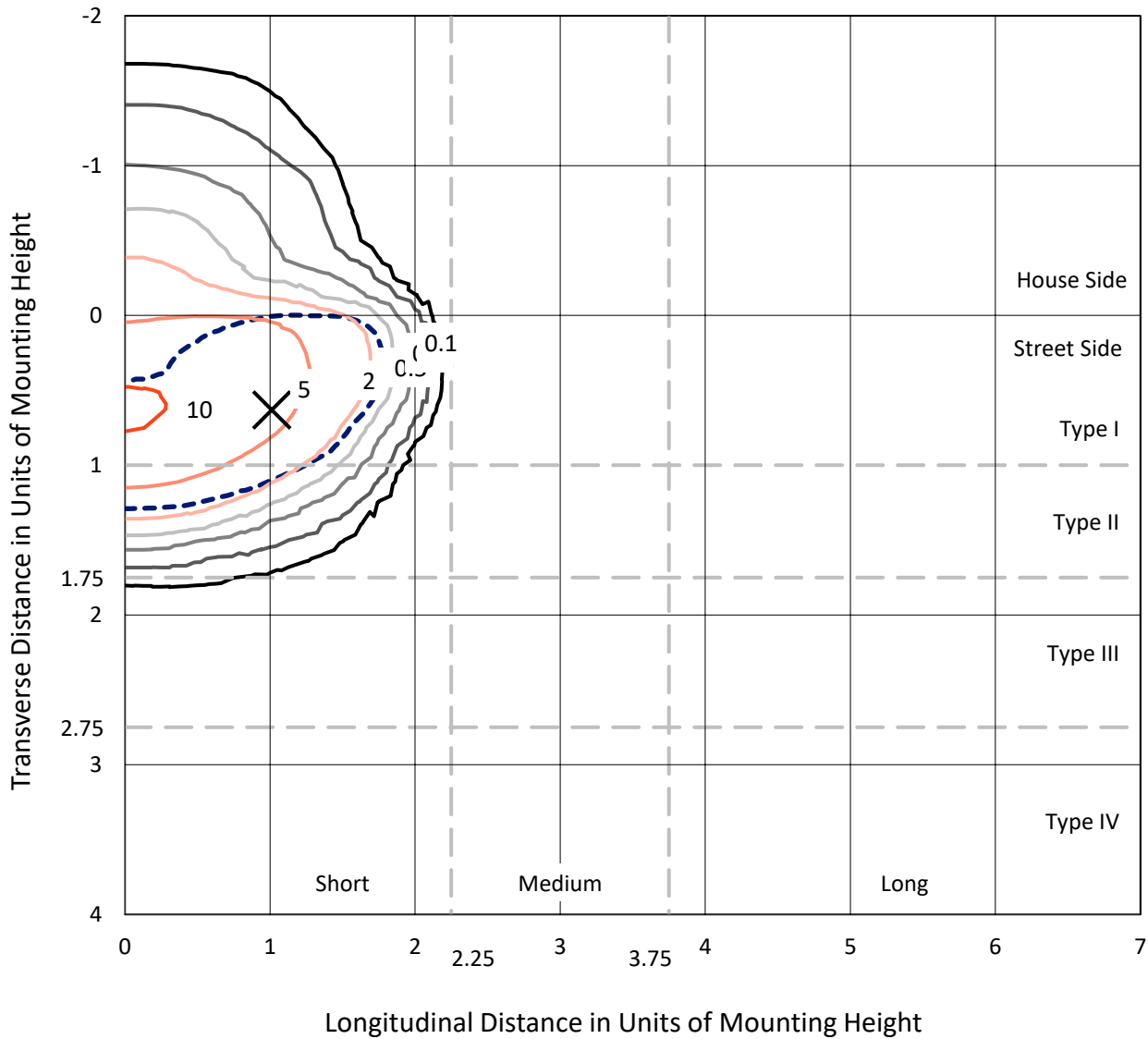
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

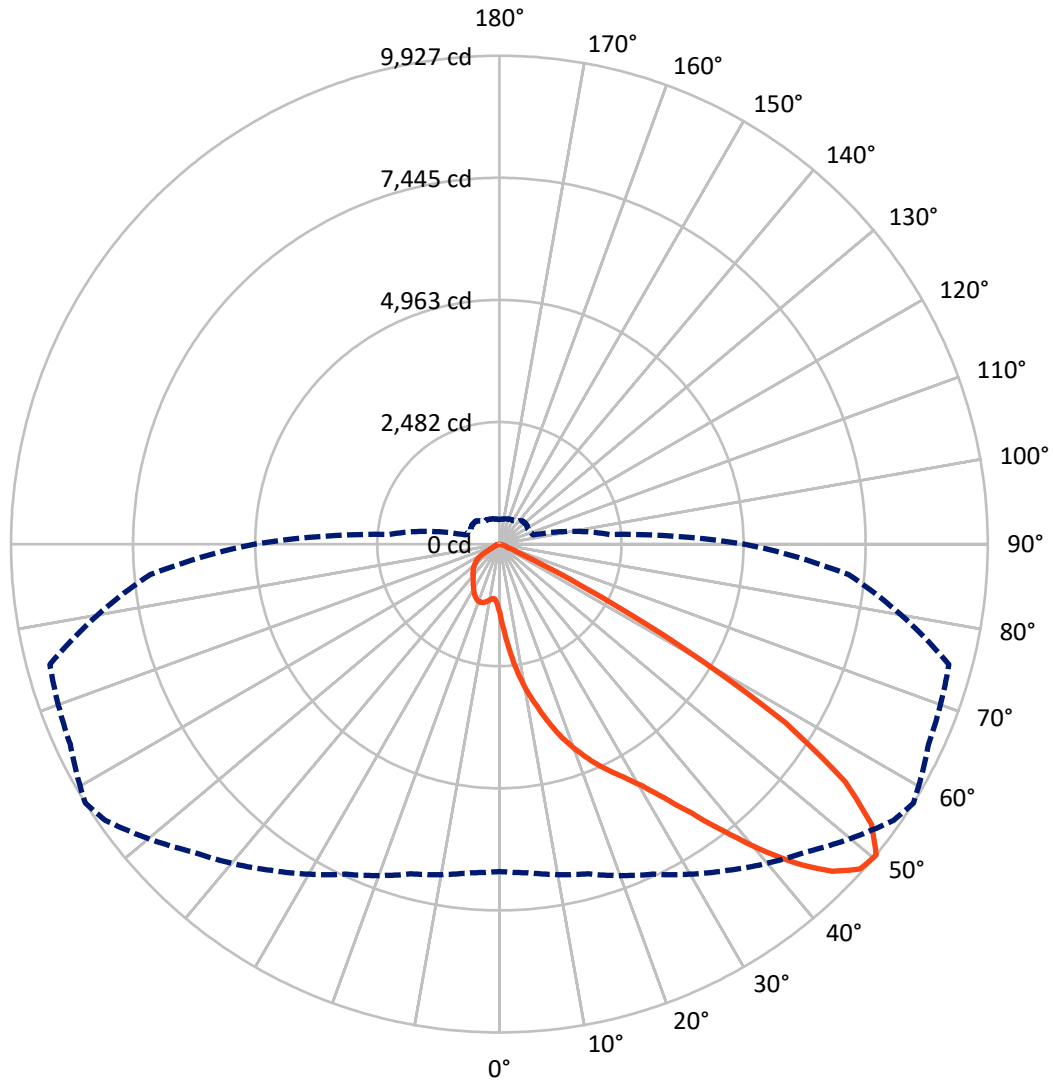
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.8 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	1652.3	0.0	1652.3
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	10144.6	0.0	10144.6
	% Fixture	86.0	0.0	86.0
Total	Lumens	11796.9	0.0	11796.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.6	1.5
10°-20°	691.1	5.9
20°-30°	1398.4	11.9
30°-40°	2473.9	21.0
40°-50°	3606.4	30.6
50°-60°	2890.7	24.5
60°-70°	520.8	4.4
70°-80°	41.0	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°	11796.9	100.0
0°-180°	11796.9	100.0

Coefficient of Utilization



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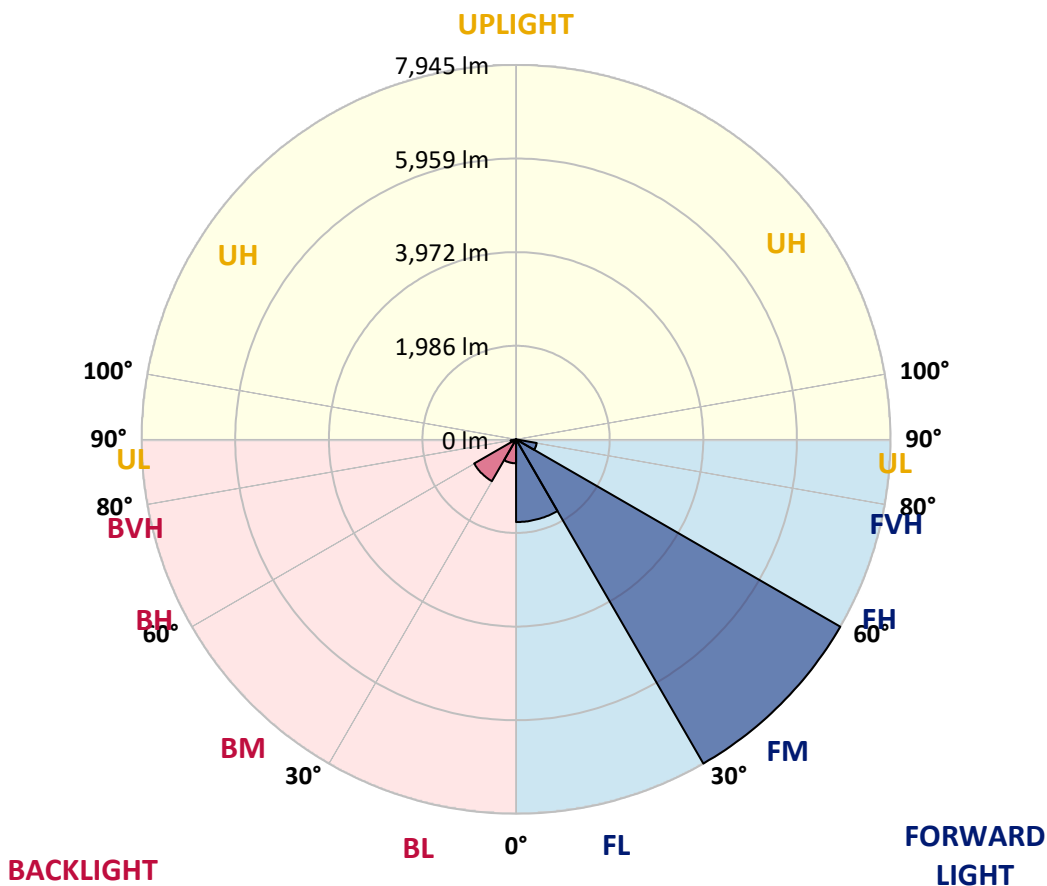
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1755.3	14.9			
FM (30°-60°)	7944.9	67.3			
FH (60°-80°)	444.4	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	508.7	4.3	B2/1000		
BM (30°-60°)	1026.2	8.7	B2/2500		
BH (60°-80°)	117.4	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°	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1
2.5°	2085.3	2052.5	2033.6	2018.4	1951.6	1845.6	1776.2	1739.6	1679.1	1576.9	1488.6
5°	2721.1	2697.1	2653.0	2622.7	2536.9	2386.8	2231.6	2169.8	2032.3	1801.5	1594.6
7.5°	3142.4	3124.8	3108.4	3068.0	2987.3	2851.0	2679.5	2615.1	2403.2	2075.2	1735.9
10°	3466.7	3452.8	3433.9	3432.6	3369.5	3247.2	3079.4	3012.5	2782.9	2372.9	1902.4
12.5°	3751.8	3740.4	3736.6	3771.9	3731.6	3640.8	3459.1	3375.8	3132.4	2676.9	2086.6
15°	3947.3	3944.8	3961.2	4030.6	4053.3	4011.6	3859.0	3769.4	3489.4	2982.2	2289.7
17.5°	4036.9	4044.4	4076.0	4195.8	4296.7	4332.1	4214.7	4139.1	3843.9	3291.3	2506.6
20°	4189.5	4187.0	4205.9	4319.4	4443.1	4569.2	4533.9	4469.6	4202.1	3618.0	2747.6
22.5°	4619.7	4583.1	4542.7	4560.4	4604.6	4752.2	4817.8	4785.0	4571.8	3953.6	2996.1
25°	5280.7	5242.9	5112.9	4986.8	4903.5	4970.4	5060.0	5076.4	4938.9	4298.0	3256.0
27.5°	5982.1	5948.1	5801.7	5612.5	5374.1	5258.0	5324.9	5357.7	5299.7	4708.0	3532.3
30°	6639.4	6594.0	6433.8	6199.1	5922.8	5745.0	5669.3	5692.0	5726.0	5193.7	3856.5
32.5°	7209.6	7175.5	6983.8	6736.5	6470.3	6284.9	6108.3	6146.1	6229.4	5787.9	4271.5
35°	7692.8	7675.1	7472.0	7226.0	6944.7	6850.1	6698.7	6706.2	6789.5	6505.7	4777.4
37.5°	8112.8	8082.6	7898.4	7670.1	7446.8	7431.6	7390.0	7393.8	7436.7	7342.1	5358.9
40°	8377.8	8350.0	8218.8	8077.5	7918.6	7921.1	8136.8	8153.2	8104.0	8163.3	5973.3
42.5°	8477.4	8457.2	8386.6	8387.9	8371.5	8445.9	8850.8	8881.1	8704.5	8807.9	6498.1
45°	8304.6	8295.8	8300.8	8482.5	8679.3	8908.9	9434.9	9487.9	9238.1	9235.6	6908.1
47.5°	7747.0	7729.3	7876.9	8186.0	8641.4	9088.0	9788.1	9870.1	9611.5	9480.3	7165.4
50°	6654.5	6705.0	6938.4	7402.6	8095.2	8842.0	9784.4	9926.9	9625.4	9458.9	7122.6
52.5°	4820.3	4810.2	5321.1	5959.4	6802.1	8054.8	9264.6	9472.8	9288.6	9248.2	7026.7
55°	2622.7	2714.8	3059.2	3904.4	4956.5	6565.0	8077.5	8531.7	8744.9	9171.3	7199.5
57.5°	963.8	1004.2	1219.9	1817.9	2624.0	4082.3	6170.1	6855.1	7513.6	8956.8	7170.5
60°	388.5	396.1	481.9	668.6	1102.6	2077.7	3701.3	4309.4	4930.0	6856.4	5502.8
62.5°	282.6	292.7	326.7	391.1	557.6	908.3	1595.8	1855.7	2028.5	3396.0	2711.0
65°	228.3	235.9	263.7	292.7	368.4	488.2	514.7	495.8	493.3	878.0	621.9
67.5°	189.2	196.8	217.0	237.2	264.9	243.5	176.6	185.4	151.4	150.1	122.4
70°	138.8	147.6	167.8	189.2	159.0	65.6	102.2	151.4	114.8	95.9	93.4
72.5°	104.7	111.0	129.9	123.6	46.7	25.2	68.1	109.8	88.3	70.6	69.4
75°	78.2	82.0	65.6	20.2	5.0	6.3	25.2	45.4	49.2	40.4	40.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	3.8	5.0	6.3	7.6
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°	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1	1409.1
2.5°	1438.1	1385.2	1309.5	1246.4	1198.4	1151.8	1116.4	1081.1	1079.9	1062.2	1058.4
5°	1498.7	1402.8	1264.0	1164.4	1103.8	1067.2	1042.0	1029.4	1023.1	1016.8	1014.3
7.5°	1585.7	1448.2	1256.5	1150.5	1100.0	1076.1	1058.4	1050.8	1047.1	1042.0	1040.8
10°	1693.0	1513.8	1284.2	1177.0	1132.8	1110.1	1091.2	1079.9	1073.6	1064.7	1062.2
12.5°	1821.6	1594.6	1328.4	1221.2	1174.5	1144.2	1119.0	1102.6	1093.7	1082.4	1079.9
15°	1960.4	1681.6	1377.6	1261.5	1206.0	1166.9	1135.4	1110.1	1093.7	1079.9	1076.1
17.5°	2104.2	1769.9	1421.7	1289.3	1221.2	1174.5	1129.1	1095.0	1074.8	1057.2	1052.1
20°	2265.7	1860.7	1450.7	1294.3	1216.1	1154.3	1101.3	1058.4	1038.2	1014.3	1009.2
22.5°	2434.7	1945.3	1463.4	1283.0	1188.4	1116.4	1059.7	1015.5	986.5	961.3	953.7
25°	2598.7	2021.0	1457.1	1251.4	1146.7	1063.5	1005.4	960.0	928.5	903.2	896.9
27.5°	2772.8	2084.0	1434.3	1204.8	1090.0	1005.4	949.9	910.8	881.8	854.1	847.7
30°	2968.4	2142.1	1397.8	1148.0	1023.1	946.1	903.2	876.8	845.2	816.2	807.4
32.5°	3204.3	2193.8	1344.8	1079.9	963.8	894.4	870.4	850.3	813.7	783.4	777.1
35°	3474.2	2236.7	1277.9	1009.2	905.8	861.6	856.6	830.1	782.1	746.8	739.3
37.5°	3787.1	2278.3	1198.4	939.8	862.9	846.5	847.7	802.3	744.3	701.4	696.4
40°	4123.9	2319.9	1110.1	879.3	823.8	837.7	826.3	762.0	667.3	625.7	620.7
42.5°	4474.6	2365.4	1020.6	822.5	791.0	803.6	787.2	681.2	613.1	591.7	589.1
45°	4791.3	2419.6	923.4	765.7	758.2	754.4	726.6	616.9	587.9	572.7	571.5
47.5°	5019.6	2410.8	820.0	711.5	722.9	710.2	625.7	586.6	562.6	542.5	537.4
50°	4978.0	2256.9	712.8	650.9	677.4	666.1	562.6	551.3	529.8	508.4	500.8
52.5°	4872.0	2047.4	619.4	586.6	628.2	601.7	519.7	508.4	489.5	461.7	452.9
55°	4928.8	1850.7	546.2	534.9	577.8	498.3	471.8	454.1	434.0	403.7	399.9
57.5°	4745.8	1510.0	439.0	446.6	510.9	425.1	413.8	386.0	352.0	331.8	329.3
60°	3285.0	811.2	275.0	283.8	369.6	357.0	370.9	345.7	304.0	285.1	281.3
62.5°	1508.8	325.5	150.1	143.8	194.3	242.2	317.9	315.4	263.7	233.4	230.9
65°	365.8	148.9	107.2	100.9	109.8	145.1	206.9	248.5	213.2	177.9	174.1
67.5°	118.6	121.1	98.4	92.1	97.1	108.5	123.6	137.5	136.2	124.9	122.4
70°	94.6	109.8	90.8	83.3	83.3	87.0	83.3	66.9	58.0	63.1	65.6
72.5°	70.6	83.3	71.9	64.3	61.8	60.6	51.7	37.8	26.5	24.0	22.7
75°	41.6	46.7	44.2	37.8	35.3	31.5	25.2	16.4	8.8	6.3	3.8
77.5°	7.6	8.8	10.1	7.6	6.3	5.0	3.8	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)