

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: P635243

Luminaire Tested: GWS-SA3D-735-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635243
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-735-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10310 lumens
Efficiency: N/A
Efficacy: 85.3 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

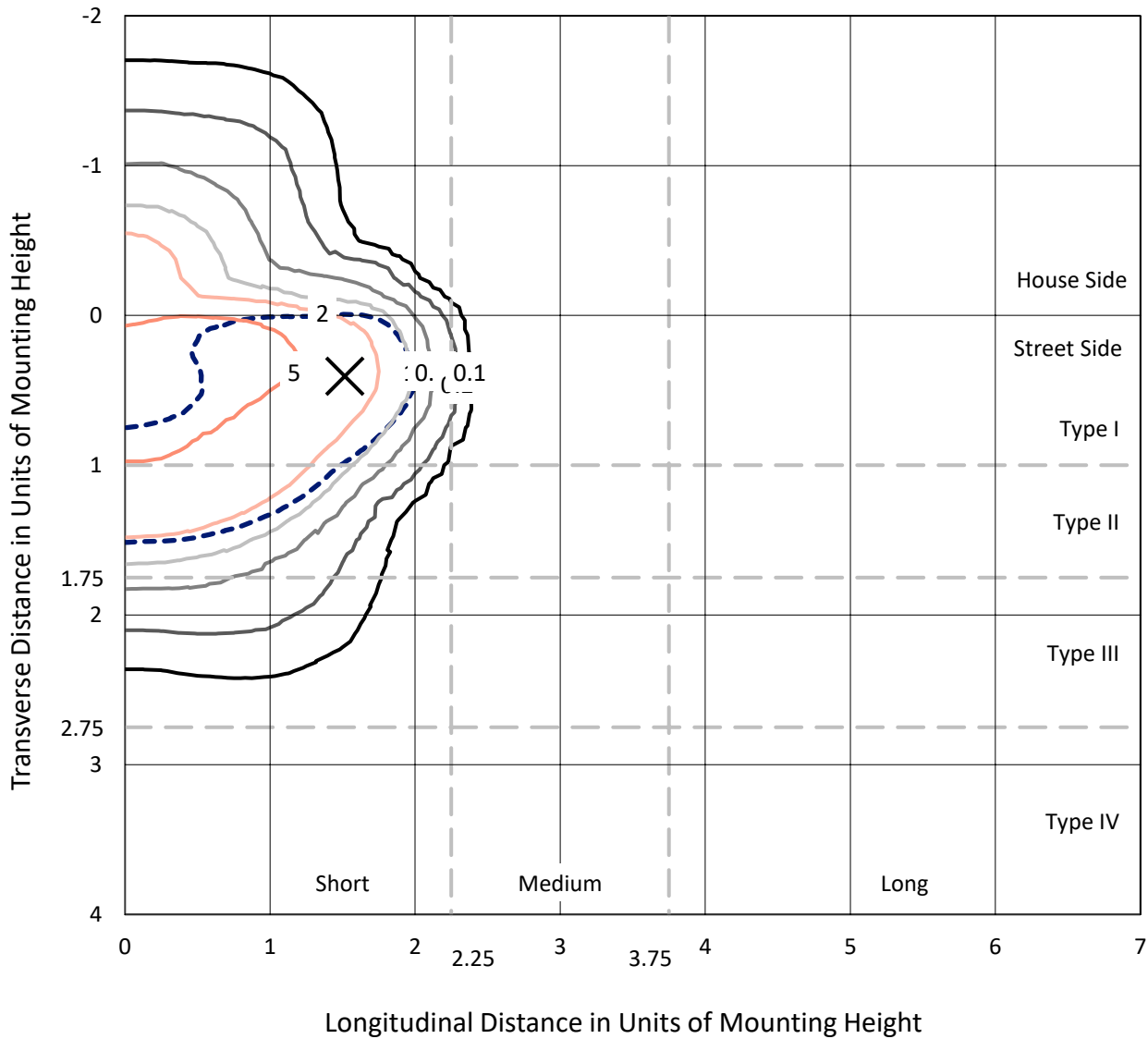
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

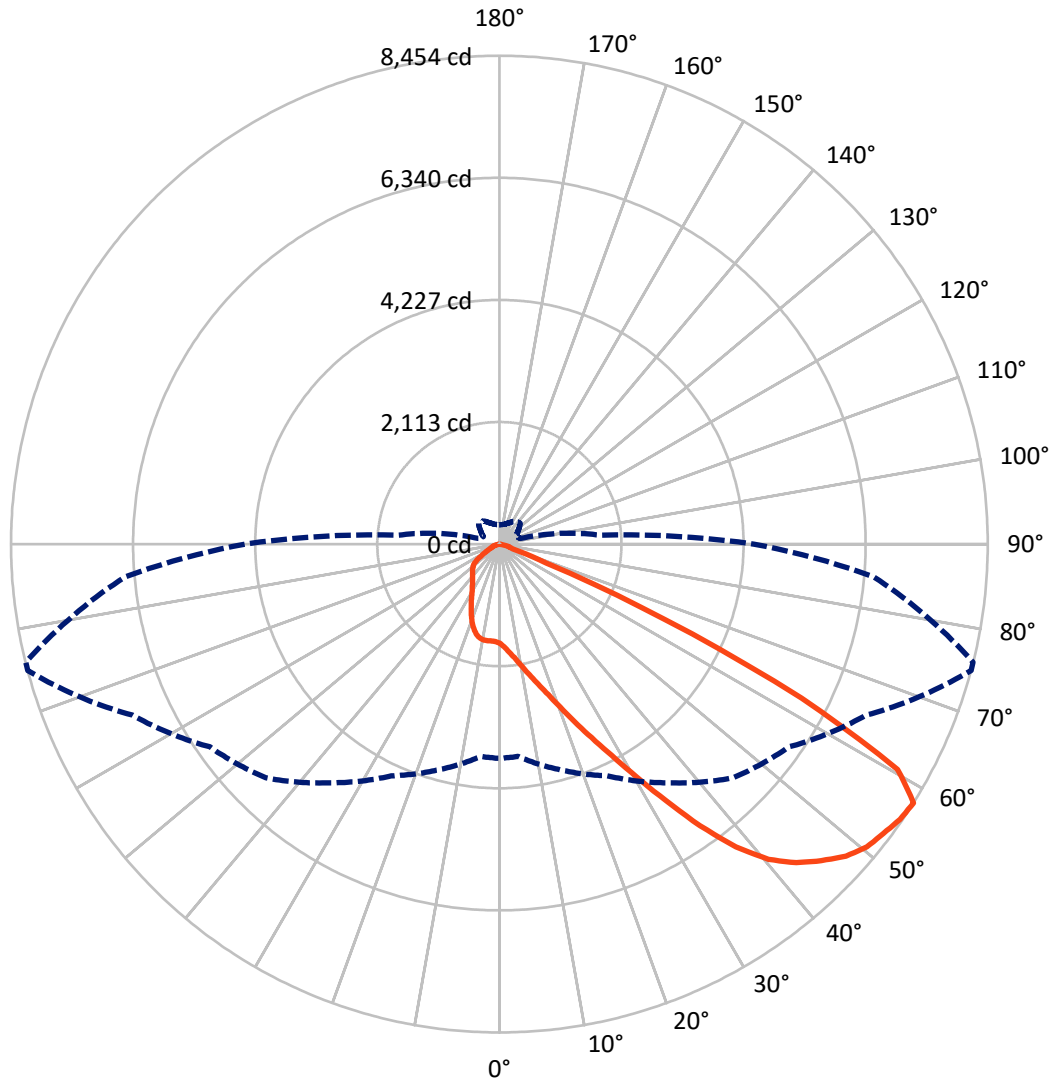
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8 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	1684.1	0.0	1684.1
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	8625.9	0.0	8625.9
	% Fixture	83.7	0.0	83.7
Total	Lumens	10310.0	0.0	10310.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.0	1.7
10°-20°	568.4	5.5
20°-30°	1040.9	10.1
30°-40°	1726.9	16.8
40°-50°	2637.5	25.6
50°-60°	2963.6	28.7
60°-70°	1093.1	10.6
70°-80°	104.5	1.0
80°-90°	0.1	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°	10310.0	100.0
0°-180°	10310.0	100.0

Coefficient of Utilization



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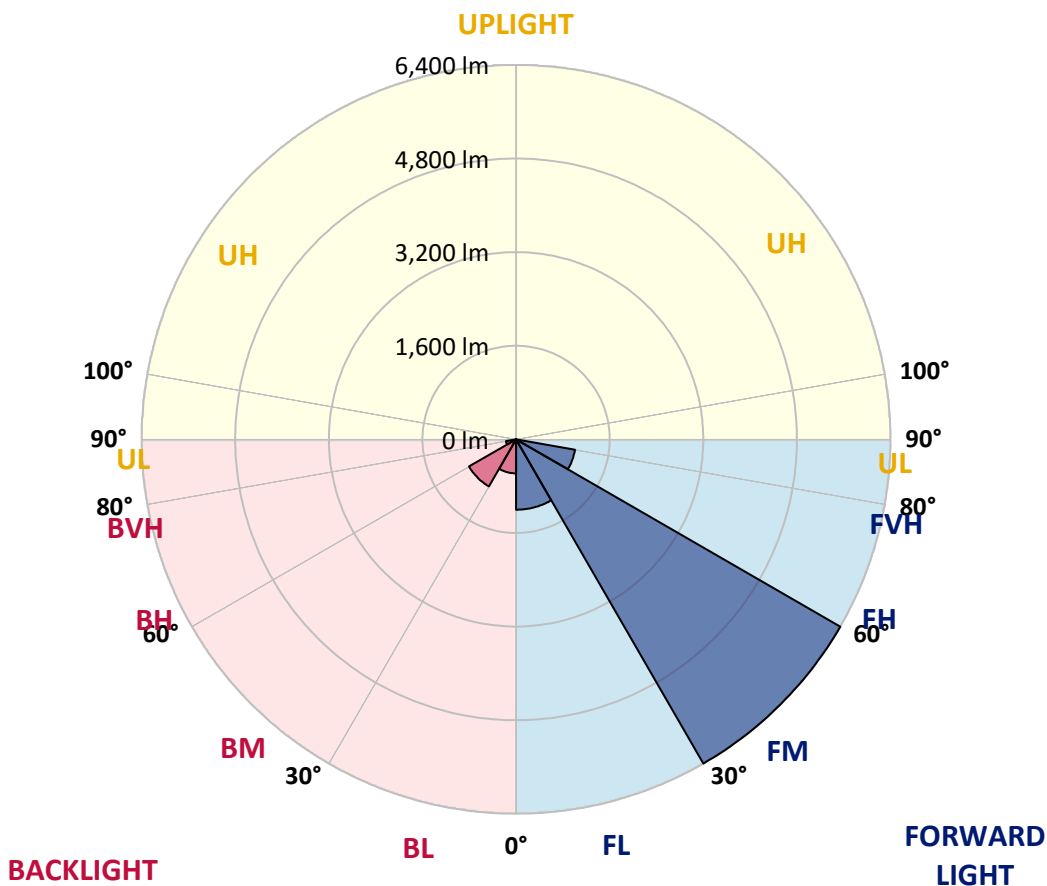
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1203.2	11.7			
FM (30°-60°)	6400.0	62.1			
FH (60°-80°)	1022.7	9.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	581.1	5.6	B2/1000		
BM (30°-60°)	928.1	9.0	B1/1000		
BH (60°-80°)	174.9	1.7	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°	65°	75°	76°	85°
0°	1719.6	1719.6	1719.6	1719.6	1719.6	1719.6	1719.6	1719.6	1719.6	1719.6	1719.6
2.5°	1921.1	1941.0	1934.8	1922.4	1914.9	1888.8	1872.6	1825.3	1791.7	1788.0	1756.9
5°	2163.8	2160.0	2155.1	2140.1	2127.7	2086.6	2038.1	1958.5	1887.5	1878.8	1812.9
7.5°	2296.9	2299.4	2301.9	2299.4	2290.7	2259.6	2206.1	2112.7	2004.5	1997.0	1892.5
10°	2351.6	2356.6	2369.1	2392.7	2413.9	2411.4	2380.3	2284.5	2151.3	2138.9	1998.3
12.5°	2377.8	2384.0	2403.9	2448.7	2505.9	2550.7	2555.7	2469.9	2323.0	2303.1	2123.9
15°	2413.9	2420.1	2445.0	2503.4	2586.8	2675.2	2732.4	2677.6	2513.4	2492.2	2262.1
17.5°	2430.0	2438.7	2474.8	2552.0	2660.2	2795.8	2925.3	2920.3	2738.6	2722.4	2422.6
20°	2461.1	2467.4	2499.7	2583.1	2713.7	2909.1	3126.8	3205.2	3013.6	2990.0	2616.7
22.5°	2559.4	2561.9	2576.9	2629.1	2751.1	2991.2	3332.1	3537.4	3338.3	3307.2	2834.4
25°	2719.9	2718.7	2724.9	2733.6	2823.2	3074.6	3530.0	3911.9	3710.4	3676.8	3080.8
27.5°	2924.0	2924.0	2938.9	2914.1	2950.1	3177.8	3725.3	4342.5	4143.4	4096.1	3350.8
30°	3164.1	3162.9	3197.7	3157.9	3169.1	3340.8	3935.6	4811.5	4666.0	4607.5	3661.9
32.5°	3490.1	3482.7	3522.5	3467.7	3430.4	3587.2	4191.9	5301.8	5291.8	5202.2	4052.5
35°	3902.0	3889.6	3902.0	3848.5	3781.3	3931.9	4527.9	5790.8	5986.1	5891.6	4517.9
37.5°	4311.4	4351.2	4364.9	4272.8	4218.0	4368.6	4932.2	6228.8	6649.3	6551.0	5001.9
40°	4794.1	4781.7	4829.0	4725.7	4690.9	4857.6	5327.9	6554.8	7174.4	7081.1	5432.4
42.5°	5150.0	5172.4	5230.9	5173.6	5146.3	5303.0	5660.1	6745.1	7539.0	7446.9	5739.8
45°	5576.8	5592.9	5615.3	5568.1	5539.4	5693.7	5900.3	6828.5	7816.4	7716.9	5946.3
47.5°	6038.4	6050.8	6050.8	5953.8	5861.7	5925.2	6060.8	6875.8	8071.5	7975.7	6099.4
50°	6369.4	6375.6	6430.3	6361.9	6161.6	6063.3	6134.2	6921.8	8240.7	8151.1	6149.1
52.5°	6075.7	6068.2	6248.7	6390.5	6444.0	6248.7	6261.1	6989.0	8322.8	8245.7	6188.9
55°	5116.4	5103.9	5357.8	5702.4	6174.0	6424.1	6414.1	7028.8	8413.7	8366.4	6333.3
57.5°	3709.1	3688.0	4041.3	4424.6	5043.0	5721.1	6119.3	7006.4	8453.5	8449.8	6501.2
60°	2229.7	2212.3	2545.8	2948.9	3426.7	4108.5	4769.2	6276.0	7920.9	7928.4	6064.5
62.5°	1372.4	1388.6	1689.7	1895.0	2072.9	2278.2	2660.2	4221.8	5867.9	5916.4	4261.6
65°	923.2	935.7	1214.4	1473.2	1473.2	1204.4	1034.0	2018.2	3130.6	3048.4	2015.7
67.5°	619.6	633.3	853.6	1155.9	1199.5	839.9	419.3	602.2	872.2	846.1	498.9
70°	364.6	379.5	568.6	792.6	873.5	584.8	280.0	255.1	247.6	240.1	194.1
72.5°	163.0	169.2	289.9	403.1	368.3	246.4	197.8	204.1	192.9	189.1	158.0
75°	49.8	52.3	74.7	87.1	88.3	88.3	119.4	160.5	151.8	153.0	121.9
77.5°	12.4	12.4	19.9	18.7	10.0	8.7	22.4	36.1	37.3	33.6	24.9
80°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2
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°	1719.6	1719.6	1719.6	1719.6	1719.6	1719.6	1719.6	1719.6	1719.6	1719.6	1719.6
2.5°	1743.2	1710.9	1689.7	1659.8	1638.7	1616.3	1596.4	1580.2	1571.5	1569.0	1570.3
5°	1783.0	1732.0	1682.2	1625.0	1585.2	1547.9	1518.0	1494.4	1483.2	1479.4	1479.4
7.5°	1844.0	1773.1	1684.7	1595.1	1527.9	1469.5	1434.6	1408.5	1398.5	1396.1	1388.6
10°	1923.6	1826.6	1681.0	1541.6	1447.1	1386.1	1361.2	1353.8	1357.5	1358.7	1357.5
12.5°	2019.4	1882.6	1657.4	1463.2	1361.2	1323.9	1326.4	1346.3	1368.7	1379.9	1382.4
15°	2121.5	1933.6	1603.8	1369.9	1287.8	1286.6	1322.6	1368.7	1412.2	1430.9	1435.9
17.5°	2235.9	1974.6	1521.7	1270.4	1224.3	1260.4	1325.1	1396.1	1454.5	1485.6	1491.9
20°	2361.6	2008.2	1417.2	1177.1	1168.4	1233.1	1322.6	1409.7	1481.9	1516.8	1523.0
22.5°	2492.2	2031.9	1296.5	1091.2	1117.3	1202.0	1299.0	1383.6	1452.0	1491.9	1496.8
25°	2641.6	2034.4	1173.3	1019.0	1070.1	1159.6	1241.8	1311.4	1368.7	1403.5	1407.3
27.5°	2772.2	2004.5	1063.8	960.6	1026.5	1107.4	1162.1	1200.7	1240.5	1260.4	1261.7
30°	2922.8	1952.2	960.6	913.3	981.7	1042.7	1070.1	1078.8	1082.5	1086.2	1081.3
32.5°	3101.9	1888.8	883.4	867.2	930.7	971.8	979.2	961.8	940.7	910.8	903.3
35°	3322.2	1831.5	820.0	822.5	874.7	899.6	893.4	856.0	815.0	778.9	772.7
37.5°	3561.1	1783.0	771.4	778.9	813.7	831.2	812.5	771.4	752.8	721.7	722.9
40°	3772.6	1743.2	727.9	735.4	751.5	767.7	737.8	710.5	745.3	742.8	745.3
42.5°	3923.1	1709.6	690.6	686.8	698.0	709.2	686.8	673.1	731.6	715.4	724.2
45°	4011.5	1678.5	659.5	637.1	654.5	674.4	659.5	642.0	661.9	587.3	581.1
47.5°	4071.2	1661.1	632.1	588.5	619.6	654.5	623.4	581.1	552.5	487.7	482.8
50°	4077.4	1652.4	599.7	538.8	578.6	615.9	579.8	521.3	480.3	451.7	447.9
52.5°	4109.8	1669.8	554.9	475.3	518.9	578.6	553.7	495.2	439.2	414.3	409.4
55°	4254.1	1743.2	480.3	388.2	451.7	550.0	532.5	441.7	388.2	373.3	369.5
57.5°	4403.4	1758.1	378.3	307.3	393.2	508.9	486.5	406.9	354.6	337.2	333.5
60°	4026.4	1448.3	283.7	253.8	347.1	470.3	450.4	385.7	324.8	303.6	299.9
62.5°	2645.3	782.6	225.2	215.3	292.4	398.2	410.6	348.4	289.9	267.5	266.3
65°	1219.4	363.3	173.0	170.5	228.9	317.3	353.4	304.8	245.1	225.2	225.2
67.5°	332.2	180.4	135.6	125.7	155.5	212.8	257.6	227.7	174.2	150.6	149.3
70°	165.5	145.6	121.9	108.3	112.0	131.9	151.8	126.9	88.3	72.2	70.9
72.5°	135.6	119.4	103.3	92.1	84.6	80.9	78.4	63.5	41.1	31.1	29.9
75°	100.8	85.9	73.4	59.7	51.0	47.3	42.3	31.1	17.4	10.0	8.7
77.5°	22.4	21.2	19.9	14.9	13.7	11.2	8.7	6.2	2.5	0.0	0.0
80°	1.2	1.2	1.2	1.2	1.2	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)