

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: P643309

Luminaire Tested: GWS-SA6E-760-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-760-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26519.1 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

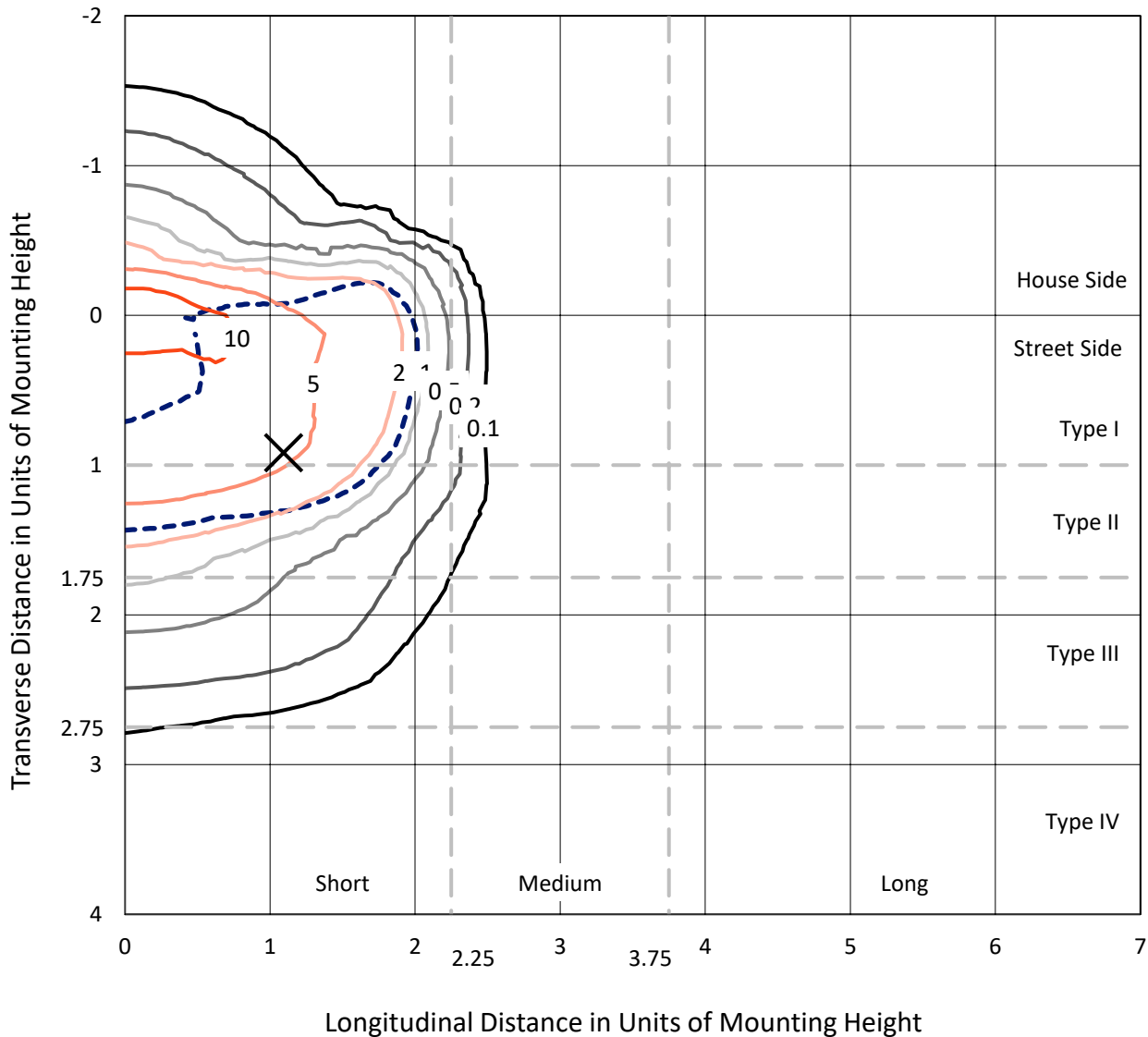
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

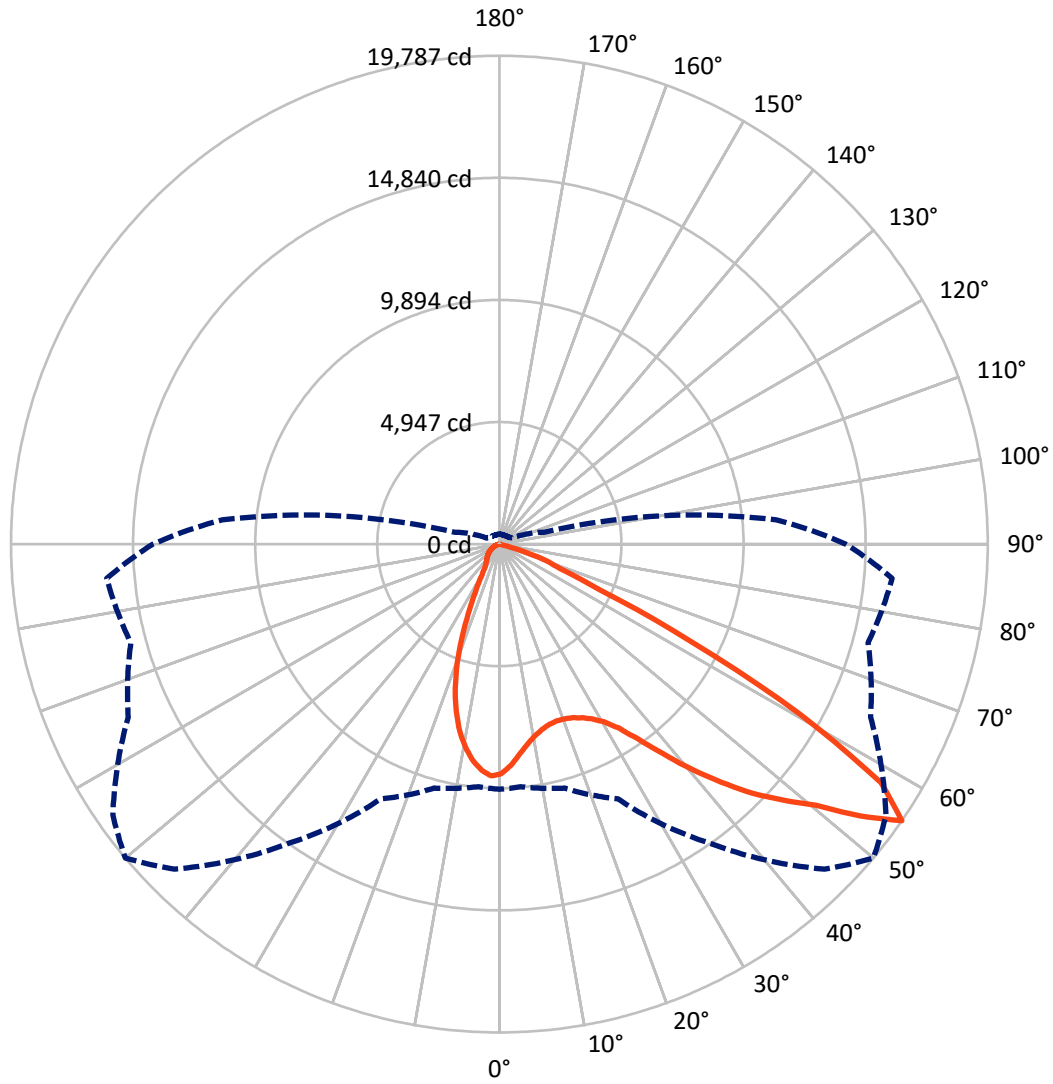
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5225.5	0.0	5225.5
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	21293.6	0.0	21293.6
	% Fixture	80.3	0.0	80.3
Total	Lumens	26519.1	0.0	26519.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	817.1	3.1
10°-20°	2010.8	7.6
20°-30°	2836.3	10.7
30°-40°	4197.2	15.8
40°-50°	6055.1	22.8
50°-60°	7142.5	26.9
60°-70°	3186.1	12.0
70°-80°	273.9	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°	26519.1	100.0
0°-180°	26519.1	100.0

Coefficient of Utilization

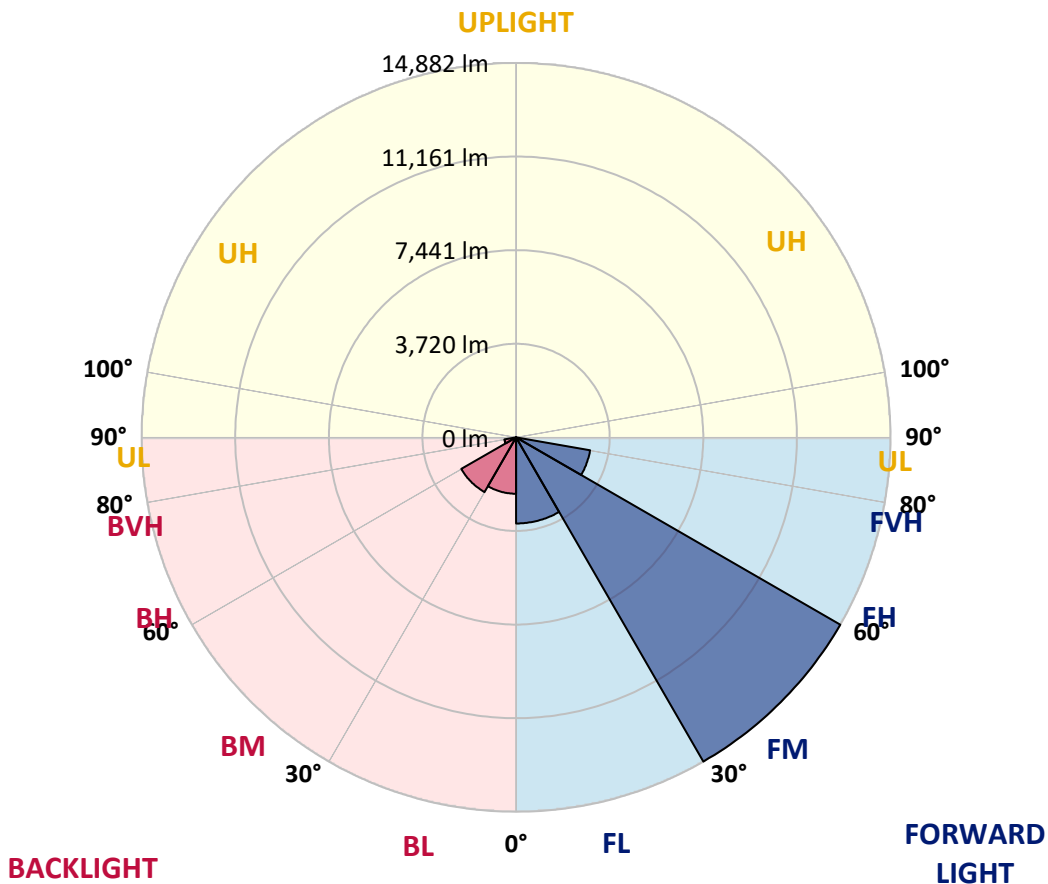


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3423.7	12.9			
FM (30°-60°)	14881.6	56.1			
FH (60°-80°)	2988.2	11.3			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	2240.5	8.4	B3/2500		
BM (30°-60°)	2513.1	9.5	B3/5000		
BH (60°-80°)	471.8	1.8	B1/500		G1/500
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	9304.4	9304.4	9304.4	9304.4	9304.4	9304.4	9304.4	9304.4	9304.4	9304.4	9304.4
2.5°	8643.9	8650.4	8653.7	8741.1	8773.4	8902.9	8970.9	9006.5	9100.4	9210.5	9301.1
5°	8064.4	8054.7	8070.9	8181.0	8252.2	8443.2	8546.8	8618.0	8825.2	9084.2	9301.1
7.5°	7559.4	7578.8	7598.2	7718.0	7824.9	8032.1	8181.0	8287.8	8576.0	8961.2	9327.0
10°	7203.3	7203.3	7232.4	7368.4	7494.7	7750.4	7899.3	8035.3	8378.5	8851.1	9356.2
12.5°	6941.1	6944.3	6979.9	7135.3	7281.0	7546.5	7701.8	7834.6	8213.4	8741.1	9362.6
15°	6818.0	6808.3	6837.5	7002.6	7164.4	7413.7	7575.6	7705.1	8096.8	8679.6	9395.0
17.5°	6785.7	6779.2	6801.8	6963.7	7128.8	7371.6	7530.3	7659.8	8080.6	8699.0	9492.1
20°	6879.5	6866.6	6856.9	6996.1	7151.5	7391.1	7556.2	7701.8	8158.3	8805.8	9641.1
22.5°	7102.9	7102.9	7080.3	7148.2	7251.8	7468.8	7640.3	7831.3	8362.3	9019.5	9861.2
25°	7514.1	7481.7	7439.6	7468.8	7455.8	7591.8	7795.7	8061.2	8747.5	9372.4	10129.9
27.5°	7983.5	8012.6	7941.4	7944.7	7831.3	7782.8	8019.1	8420.6	9320.6	9870.9	10528.1
30°	8621.3	8598.6	8601.9	8592.1	8329.9	8100.1	8355.8	8890.0	10042.5	10631.7	11046.1
32.5°	9119.8	9152.2	9259.1	9320.6	8977.4	8608.3	8880.3	9527.8	10864.8	11499.4	11680.6
35°	9647.5	9705.8	9922.7	10123.4	9835.3	9411.2	9702.6	10372.7	11638.6	12357.3	12409.1
37.5°	10204.4	10320.9	10579.9	10932.8	10887.5	10511.9	10777.4	11366.6	12247.2	12875.3	13011.2
40°	10842.2	10955.5	11379.6	11887.8	11994.7	11910.5	11997.9	12341.1	12648.6	12897.9	13270.2
42.5°	11541.4	11696.8	12234.2	12914.1	13315.6	13390.0	13186.1	13150.4	12823.5	12638.9	13215.2
45°	12367.0	12548.3	13156.9	14037.5	14675.3	14775.6	14422.8	13966.3	12933.5	12447.9	13050.1
47.5°	13292.9	13464.5	14069.9	15128.5	16077.1	16115.9	15500.8	14765.9	13260.5	12668.1	13176.3
50°	13603.7	13710.5	14235.0	15478.2	17226.4	17524.2	16633.9	15665.9	13917.7	13315.6	13791.5
52.5°	12535.3	12577.4	13033.9	14290.0	16993.3	18906.6	18288.2	17009.5	15086.4	14303.0	14740.0
55°	9932.4	9864.5	10233.5	11386.0	14769.2	18624.9	19787.2	19120.3	16591.8	15462.0	15973.5
57.5°	6947.5	6866.6	6782.4	7562.6	11020.2	15788.9	18233.2	19414.9	18026.0	16611.3	17304.1
60°	5710.8	5633.1	5225.2	4865.9	6662.6	11337.5	14005.1	16229.2	17909.5	16553.0	17262.0
62.5°	4933.8	4888.5	4723.4	4234.6	3920.5	6471.6	8770.2	10900.4	13742.9	12998.3	13037.1
65°	3875.2	3862.3	3975.6	4027.4	3467.3	3580.6	4474.1	5665.5	7429.9	7005.8	6643.2
67.5°	2648.2	2619.1	2832.8	3483.5	3334.6	2826.3	2619.1	2641.7	3214.8	1965.1	1560.4
70°	1683.5	1615.5	1618.7	2159.4	2713.0	2230.6	2020.2	1777.3	1599.3	291.4	330.2
72.5°	1078.1	1036.0	890.3	974.5	1256.1	1087.8	1097.5	945.3	631.3	155.4	181.3
75°	453.2	417.6	320.5	255.8	252.5	158.6	139.2	129.5	87.4	87.4	93.9
77.5°	3.2	0.0	0.0	3.2	6.5	3.2	3.2	6.5	12.9	19.4	22.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
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°	9304.4	9304.4	9304.4	9304.4	9304.4	9304.4	9304.4	9304.4	9304.4	9304.4	9304.4
2.5°	9356.2	9278.5	9365.9	9398.3	9395.0	9398.3	9304.4	9239.6	9236.4	9155.5	9116.6
5°	9391.8	9330.3	9395.0	9352.9	9252.6	9126.3	8958.0	8812.3	8747.5	8653.7	8608.3
7.5°	9459.8	9395.0	9385.3	9217.0	8967.7	8702.2	8404.4	8138.9	7996.5	7824.9	7834.6
10°	9508.3	9433.9	9307.6	8964.4	8550.1	8126.0	7682.4	7287.5	7038.2	6808.3	6769.5
12.5°	9527.8	9417.7	9123.1	8605.1	8022.4	7468.8	6818.0	6254.7	5866.2	5565.1	5523.1
15°	9563.4	9385.3	8886.7	8171.3	7371.6	6588.2	5759.4	4988.9	4474.1	4127.7	4156.9
17.5°	9618.4	9349.7	8621.3	7685.7	6672.3	5565.1	4445.0	3561.2	3088.5	2887.8	2891.0
20°	9696.1	9307.6	8329.9	7151.5	5833.8	4409.4	3107.9	2441.0	2308.3	2301.8	2292.1
22.5°	9799.7	9265.5	8019.1	6565.5	4840.0	3088.5	2068.7	1861.5	1916.6	2023.4	2042.8
25°	9922.7	9213.7	7672.7	5905.1	3755.4	2026.6	1550.7	1518.4	1651.1	1793.5	1825.9
27.5°	10113.7	9187.8	7277.7	5154.0	2635.3	1453.6	1269.1	1288.5	1408.3	1528.1	1557.2
30°	10437.5	9236.4	6847.2	4312.3	1693.2	1159.0	1100.7	1129.9	1194.6	1256.1	1282.0
32.5°	10877.8	9378.8	6429.5	3392.8	1207.6	1006.8	993.9	1010.1	1036.0	1071.6	1081.3
35°	11392.5	9624.9	5999.0	2428.1	997.1	919.4	906.5	906.5	919.4	925.9	929.1
37.5°	11816.6	9883.9	5594.3	1615.5	893.5	851.4	832.0	822.3	819.1	825.5	828.8
40°	12001.2	9990.7	5154.0	1175.2	819.1	789.9	760.8	731.7	731.7	754.3	757.6
42.5°	11871.7	9870.9	4645.7	971.2	767.3	725.2	679.9	654.0	666.9	689.6	696.0
45°	11596.5	9576.3	4085.6	857.9	715.5	660.4	608.6	592.4	605.4	634.5	641.0
47.5°	11551.2	9382.1	3415.5	783.5	660.4	605.4	550.4	534.2	550.4	573.0	579.5
50°	12001.2	9550.4	2670.9	718.7	608.6	547.1	501.8	485.6	495.3	508.3	514.8
52.5°	12823.5	10175.2	2156.1	657.2	547.1	488.9	459.7	440.3	440.3	453.2	456.5
55°	14037.5	11266.3	1861.5	586.0	475.9	443.5	417.6	398.2	398.2	404.7	407.9
57.5°	15436.1	12587.1	1929.5	492.1	417.6	401.4	378.8	362.6	369.1	369.1	369.1
60°	15241.8	12490.0	2065.5	414.4	369.1	362.6	343.2	336.7	352.9	339.9	333.5
62.5°	11227.4	8627.8	1081.3	339.9	317.3	310.8	297.8	310.8	333.5	297.8	284.9
65°	5451.8	4176.3	433.8	278.4	268.7	262.2	255.8	275.2	288.1	233.1	220.1
67.5°	1282.0	1042.5	281.7	236.3	223.4	210.4	216.9	220.1	210.4	158.6	152.2
70°	333.5	327.0	220.1	197.5	178.1	165.1	165.1	161.9	139.2	100.4	93.9
72.5°	181.3	178.1	158.6	148.9	123.0	110.1	113.3	100.4	77.7	58.3	55.0
75°	90.6	97.1	90.6	84.2	68.0	61.5	61.5	55.0	38.8	22.7	22.7
77.5°	19.4	22.7	22.7	19.4	16.2	12.9	12.9	16.2	6.5	0.0	0.0
80°	3.2	3.2	3.2	3.2	3.2	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)