

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: P642323

Luminaire Tested: GWS-SA6C-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642323  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-760-U-SL3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

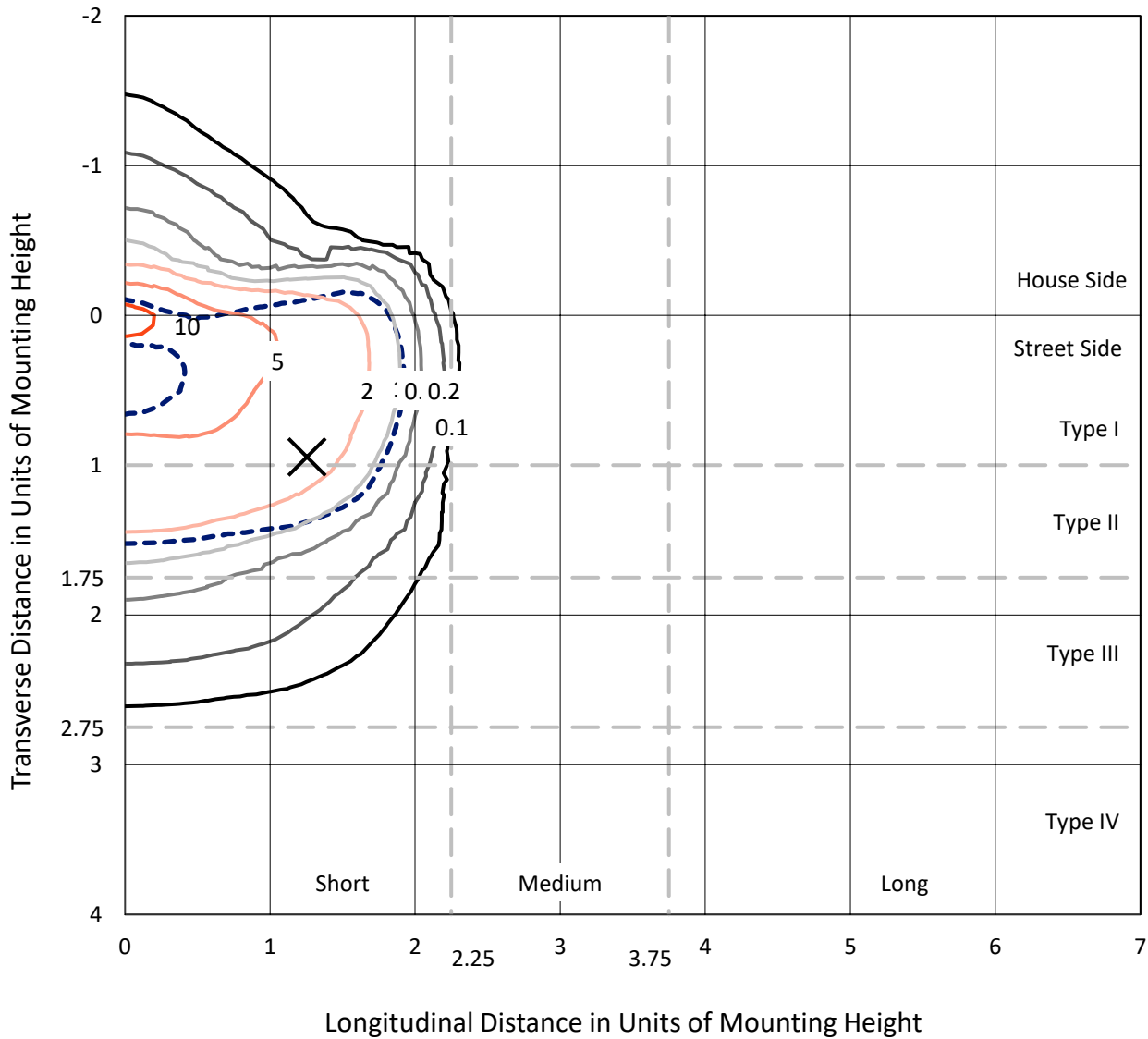
Lumens per Lamp: N/A  
Luminaire Lumens: 16755.7 lumens  
Efficiency: N/A  
Efficacy: 88.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

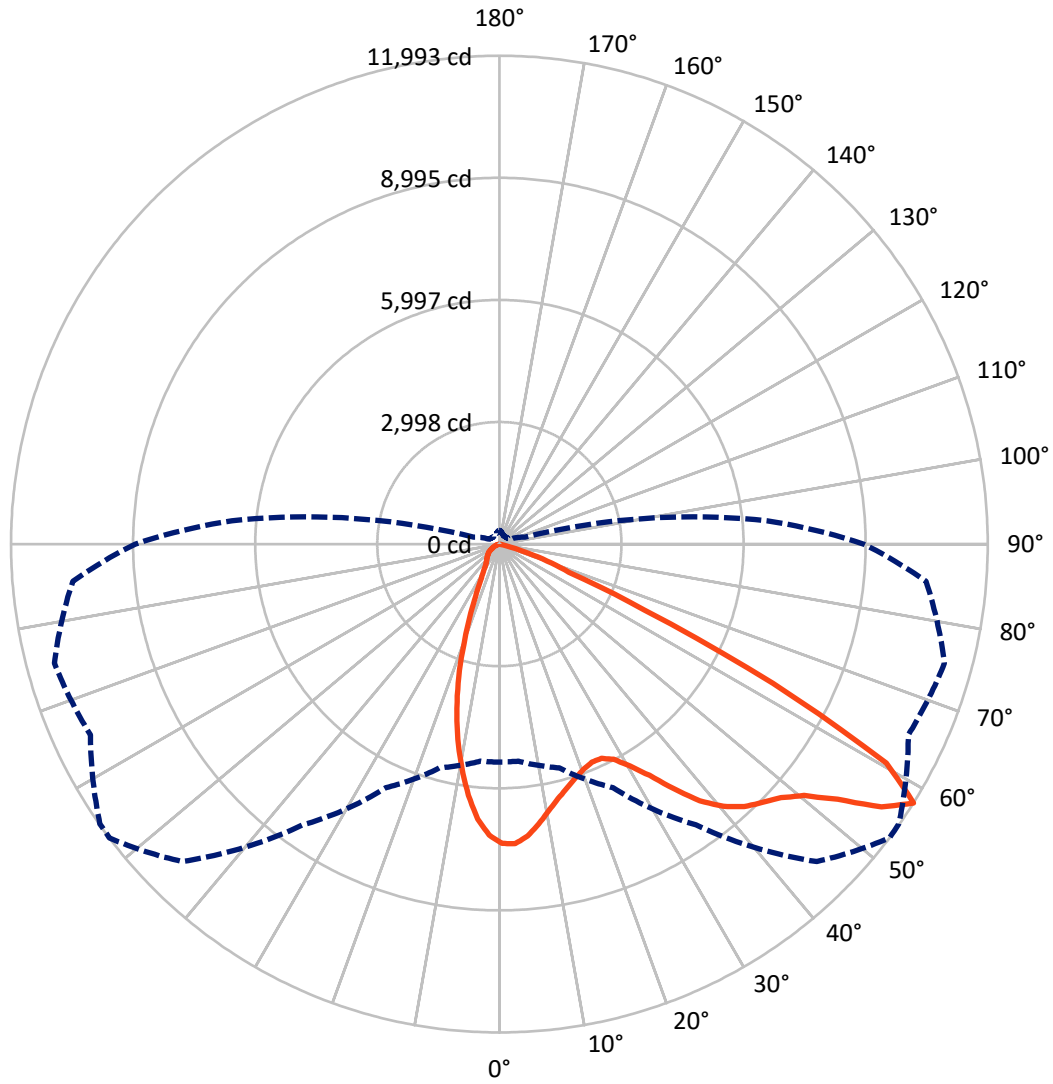
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2767.8	0.0	2767.8
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	13987.9	0.0	13987.9
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	16755.7	0.0	16755.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	628.9	3.8
10°-20°	1380.6	8.2
20°-30°	1798.5	10.7
30°-40°	2608.8	15.6
40°-50°	3764.3	22.5
50°-60°	4552.5	27.2
60°-70°	1855.4	11.1
70°-80°	166.7	1.0
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°	16755.7	100.0
0°-180°	16755.7	100.0

**Coefficient of Utilization**



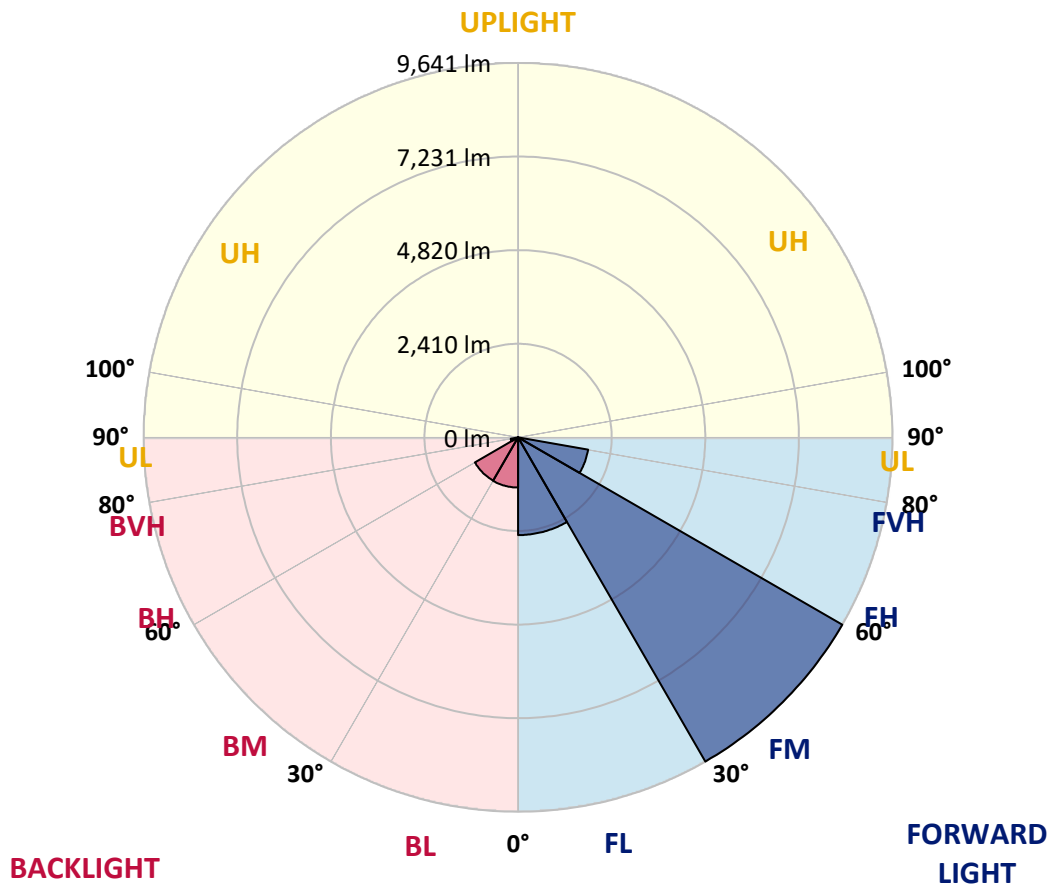
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2516.1	15.0			
FM (30°-60°)	9640.9	57.5			
FH (60°-80°)	1830.8	10.9			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1291.8	7.7	B3/2500		
BM (30°-60°)	1284.7	7.7	B2/2500		
BH (60°-80°)	191.3	1.1	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: B3-U0-G2**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	7350.0	7350.0	7350.0	7350.0	7350.0	7350.0	7350.0	7350.0	7350.0	7350.0	7350.0
2.5°	7247.3	7263.8	7292.5	7329.5	7354.1	7366.4	7366.4	7401.3	7378.8	7360.3	7339.7
5°	6937.2	6953.7	6992.7	7052.2	7111.8	7154.9	7204.2	7241.2	7255.5	7255.5	7220.6
7.5°	6499.8	6522.4	6547.0	6629.2	6758.6	6855.1	6939.3	6992.7	7070.7	7095.4	7046.1
10°	6029.5	6052.1	6107.5	6220.5	6368.4	6512.1	6655.9	6723.6	6857.1	6927.0	6871.5
12.5°	5631.1	5641.4	5715.3	5850.8	6039.8	6236.9	6411.5	6481.3	6670.2	6775.0	6709.3
15°	5302.5	5308.7	5382.6	5532.5	5750.2	5992.5	6212.3	6284.2	6516.2	6674.4	6575.8
17.5°	5054.0	5056.1	5119.7	5282.0	5509.9	5779.0	6039.8	6128.1	6427.9	6618.9	6471.0
20°	4928.8	4922.6	4967.8	5109.5	5325.1	5594.1	5902.2	6011.0	6378.6	6610.7	6391.0
22.5°	4930.8	4916.4	4934.9	5035.5	5218.3	5470.9	5815.9	5939.1	6382.7	6645.6	6323.2
25°	5047.9	5027.3	5031.4	5084.8	5214.2	5444.2	5828.3	5959.7	6464.9	6762.7	6298.5
27.5°	5245.0	5222.4	5222.4	5249.1	5318.9	5528.4	5982.3	6132.2	6684.6	6990.6	6349.9
30°	5499.7	5477.1	5468.9	5495.6	5553.1	5746.1	6325.2	6481.3	7060.4	7364.4	6514.2
32.5°	5791.3	5764.6	5779.0	5815.9	5871.4	6138.4	6766.8	6974.2	7530.7	7867.5	6809.9
35°	6099.3	6076.7	6142.5	6222.6	6308.8	6682.6	7376.7	7557.4	8107.8	8493.9	7261.7
37.5°	6393.0	6382.7	6520.3	6688.7	6867.4	7335.6	7996.9	8136.6	8602.7	9175.7	7814.1
40°	6686.7	6684.6	6920.8	7216.5	7502.0	7986.6	8467.2	8582.2	8904.6	9705.5	8344.0
42.5°	7015.3	7015.3	7341.8	7736.1	8116.0	8537.0	8812.2	8863.5	9040.2	10011.5	8742.4
45°	7329.5	7348.0	7725.8	8183.8	8633.5	8966.2	9050.4	9054.5	9095.6	10192.3	9073.0
47.5°	7578.0	7594.4	8046.2	8574.0	9058.6	9292.8	9305.1	9286.6	9241.4	10364.8	9327.7
50°	7779.2	7803.9	8276.2	8834.8	9350.3	9607.0	9701.4	9682.9	9567.9	10549.6	9506.3
52.5°	7877.8	7912.7	8356.3	8964.2	9674.7	10145.0	10407.9	10451.0	10056.7	10652.3	9676.8
55°	7089.2	7140.5	7549.2	8380.9	9855.5	10976.7	11389.5	11381.3	10586.6	10958.3	10091.6
57.5°	5353.9	5349.8	5688.6	6598.4	8417.9	11024.0	11993.3	11976.9	11081.5	11313.5	10516.7
60°	3645.2	3620.6	3710.9	4150.4	5885.8	8980.6	10915.1	11136.9	10730.3	10451.0	8929.3
62.5°	3000.4	2977.8	2949.0	2827.9	3380.3	5594.1	7541.0	7877.8	7824.4	7263.8	5600.3
65°	2456.2	2474.6	2554.7	2503.4	2351.4	2868.9	3914.3	4113.5	3760.2	3164.7	1957.1
67.5°	1811.3	1819.5	1924.3	2195.3	2113.2	1909.9	1842.1	1875.0	1098.7	505.2	326.5
70°	1070.0	1076.1	1172.6	1536.1	1714.8	1466.3	1244.5	1226.0	435.4	135.5	147.9
72.5°	605.8	593.5	612.0	731.1	934.4	778.3	640.7	583.2	131.4	76.0	76.0
75°	287.5	279.3	240.3	225.9	205.4	131.4	82.1	69.8	32.9	30.8	30.8
77.5°	2.1	6.2	4.1	6.2	6.2	4.1	2.1	2.1	6.2	6.2	8.2
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°	7350.0	7350.0	7350.0	7350.0	7350.0	7350.0	7350.0	7350.0	7350.0	7350.0	7350.0
2.5°	7302.8	7241.2	7226.8	7222.7	7165.2	7103.6	7039.9	7015.3	6978.3	6955.7	6974.2
5°	7165.2	7076.9	6998.8	6927.0	6799.6	6660.0	6538.8	6460.8	6386.8	6337.6	6349.9
7.5°	6970.1	6855.1	6676.4	6493.6	6259.5	6050.0	5815.9	5672.2	5538.7	5464.8	5499.7
10°	6762.7	6610.7	6325.2	6015.1	5647.5	5318.9	4984.2	4711.1	4552.9	4403.0	4419.4
12.5°	6559.4	6358.1	5930.9	5460.6	4996.5	4511.9	4006.7	3628.8	3370.0	3183.2	3154.4
15°	6370.4	6111.7	5546.9	4926.7	4294.2	3649.3	3004.5	2464.4	2164.5	1979.7	1967.4
17.5°	6202.0	5881.6	5148.5	4368.1	3575.4	2749.8	2008.5	1603.9	1431.4	1351.3	1343.1
20°	6039.8	5649.6	4741.9	3801.3	2790.9	1930.4	1386.2	1199.3	1143.9	1111.0	1115.1
22.5°	5883.7	5397.0	4314.7	3172.9	2092.7	1355.4	1074.1	1002.2	996.0	1000.1	1002.2
25°	5752.3	5164.9	3875.2	2567.1	1493.0	1033.0	897.4	876.9	895.4	922.1	926.2
27.5°	5684.5	4976.0	3446.0	1957.1	1080.2	839.9	778.3	786.5	819.4	848.2	852.3
30°	5703.0	4834.3	3002.4	1419.1	831.7	708.5	688.0	704.4	737.3	764.0	768.1
32.5°	5834.4	4762.4	2548.6	1033.0	683.9	618.1	609.9	622.3	651.0	671.5	673.6
35°	6095.2	4778.8	2117.3	790.7	587.3	550.4	548.3	556.5	570.9	585.3	587.3
37.5°	6479.3	4912.3	1692.2	657.2	531.9	505.2	497.0	497.0	507.3	513.4	517.5
40°	6892.0	5113.6	1355.4	581.2	492.9	464.1	447.7	441.5	449.7	458.0	460.0
42.5°	7232.9	5314.8	1100.8	527.8	462.1	423.1	402.5	398.4	408.7	423.1	427.2
45°	7493.8	5470.9	918.0	484.7	427.2	384.0	361.4	361.4	379.9	404.6	408.7
47.5°	7732.0	5596.2	782.4	445.6	394.3	349.1	326.5	330.6	361.4	394.3	400.5
50°	7894.2	5696.8	681.8	410.7	367.6	320.4	299.8	308.0	345.0	384.0	390.2
52.5°	8068.8	5820.0	616.1	379.9	343.0	297.8	279.3	285.5	326.5	369.7	377.9
55°	8551.4	6232.8	614.0	338.9	299.8	267.0	258.8	260.8	301.9	351.2	361.4
57.5°	8945.7	6596.3	655.1	285.5	250.5	234.1	230.0	232.1	269.0	324.5	336.8
60°	7401.3	5125.9	542.2	236.2	209.5	205.4	199.2	203.3	238.2	287.5	297.8
62.5°	4380.4	2930.6	258.8	180.7	178.7	174.6	168.4	176.6	209.5	252.6	258.8
65°	1497.1	868.7	164.3	147.9	152.0	145.8	139.6	147.9	176.6	201.3	203.3
67.5°	287.5	230.0	131.4	123.2	125.3	113.0	110.9	119.1	135.5	139.6	137.6
70°	149.9	133.5	100.6	100.6	96.5	80.1	80.1	88.3	88.3	82.1	80.1
72.5°	78.0	73.9	65.7	73.9	61.6	49.3	49.3	53.4	49.3	41.1	41.1
75°	30.8	30.8	28.8	37.0	26.7	22.6	20.5	24.6	18.5	14.4	14.4
77.5°	8.2	8.2	8.2	10.3	6.2	6.2	4.1	4.1	2.1	0.0	0.0
80°	0.0	2.1	0.0	2.1	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)