

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: P642268

Luminaire Tested: GWS-SA6C-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642268
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16988.5 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

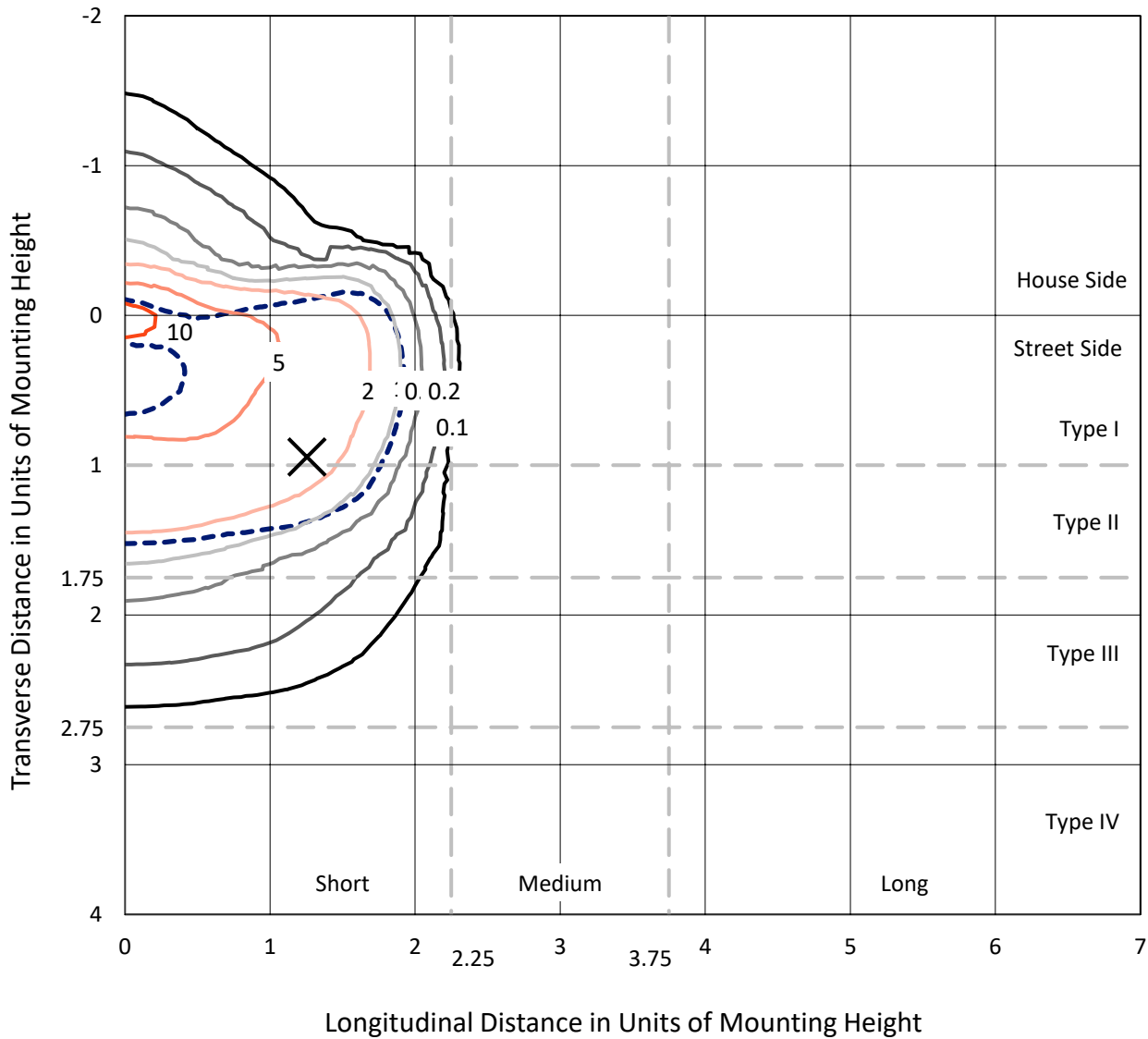
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

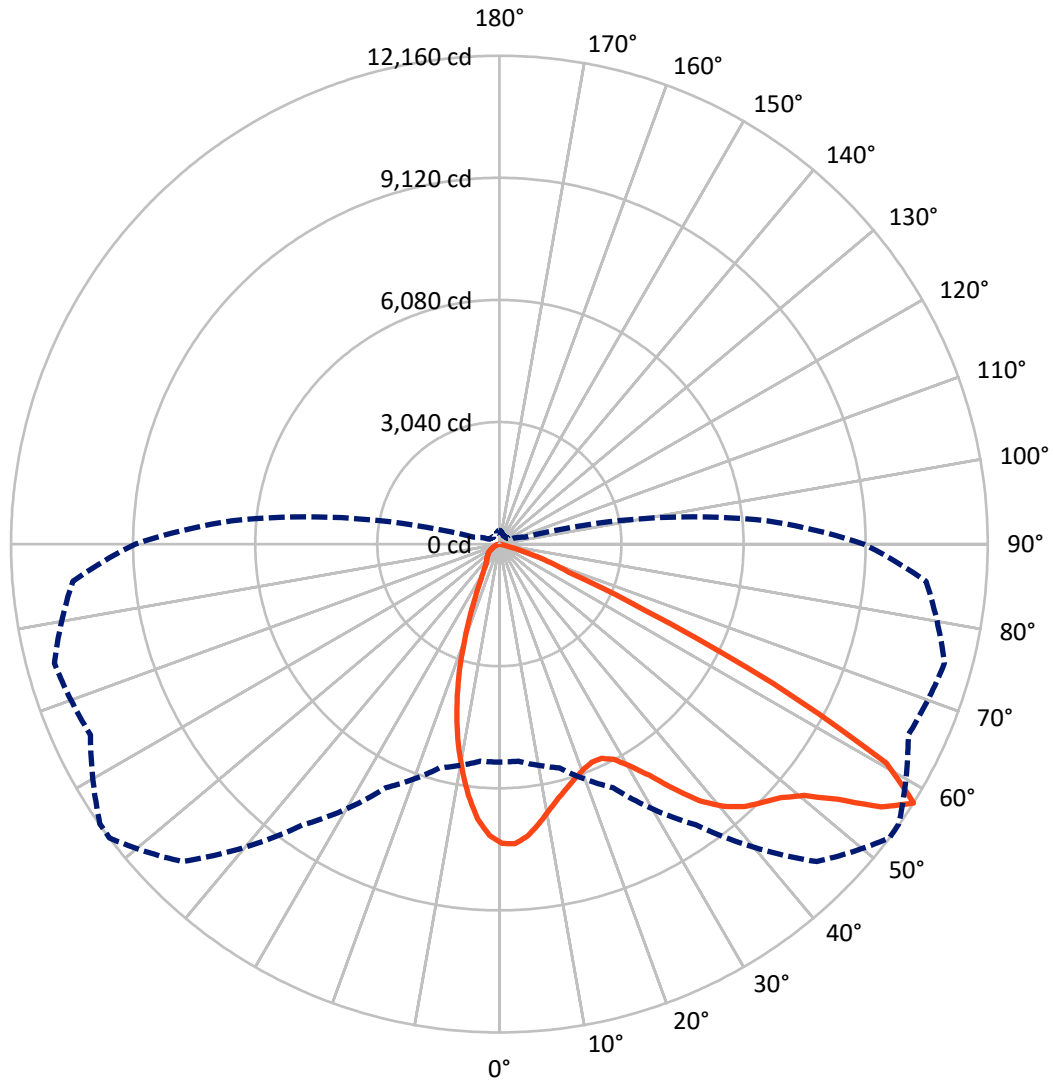
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 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
House Side	Lumens	2806.3	0.0	2806.3
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	14182.2	0.0	14182.2
	% Fixture	83.5	0.0	83.5
Total	Lumens	16988.5	0.0	16988.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	637.6	3.8
10°-20°	1399.7	8.2
20°-30°	1823.5	10.7
30°-40°	2645.0	15.6
40°-50°	3816.6	22.5
50°-60°	4615.8	27.2
60°-70°	1881.2	11.1
70°-80°	169.0	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°	16988.5	100.0
0°-180°	16988.5	100.0

Coefficient of Utilization



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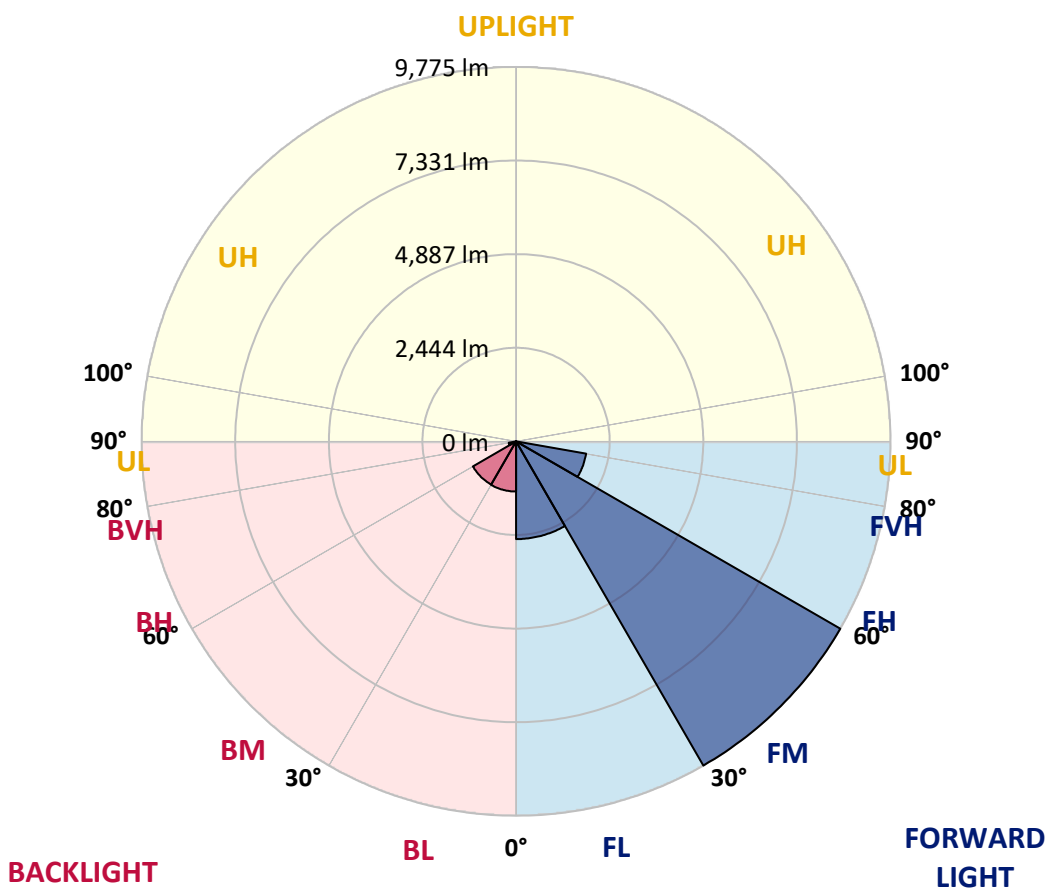
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2551.1	15.0			
FM (30°-60°)	9774.8	57.5			
FH (60°-80°)	1856.3	10.9			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1309.7	7.7	B3/2500		
BM (30°-60°)	1302.5	7.7	B2/2500		
BH (60°-80°)	194.0	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°	7452.1	7452.1	7452.1	7452.1	7452.1	7452.1	7452.1	7452.1	7452.1	7452.1	7452.1
2.5°	7348.0	7364.7	7393.8	7431.3	7456.3	7468.8	7468.8	7504.2	7481.3	7462.5	7441.7
5°	7033.6	7050.3	7089.8	7150.2	7210.6	7254.3	7304.3	7341.8	7356.3	7356.3	7320.9
7.5°	6590.1	6613.0	6638.0	6721.3	6852.5	6950.3	7035.7	7089.8	7168.9	7193.9	7144.0
10°	6113.3	6136.2	6192.4	6306.9	6456.8	6602.6	6748.3	6817.1	6952.4	7023.2	6967.0
12.5°	5709.3	5719.8	5794.7	5932.1	6123.7	6323.6	6500.6	6571.4	6762.9	6869.1	6802.5
15°	5376.2	5382.4	5457.4	5609.4	5830.1	6075.8	6298.6	6371.5	6606.8	6767.1	6667.1
17.5°	5124.2	5126.3	5190.9	5355.4	5586.5	5859.3	6123.7	6213.2	6517.2	6710.9	6561.0
20°	4997.2	4991.0	5036.8	5180.5	5399.1	5671.9	5984.2	6094.5	6467.3	6702.5	6479.7
22.5°	4999.3	4984.7	5003.5	5105.5	5290.8	5546.9	5896.7	6021.7	6471.4	6737.9	6411.0
25°	5118.0	5097.2	5101.3	5155.5	5286.7	5519.9	5909.2	6042.5	6554.7	6856.6	6386.0
27.5°	5317.9	5295.0	5295.0	5322.1	5392.8	5605.2	6065.4	6217.4	6777.5	7087.7	6438.1
30°	5576.1	5553.2	5544.8	5571.9	5630.2	5825.9	6413.1	6571.4	7158.5	7466.7	6604.7
32.5°	5871.7	5844.7	5859.3	5896.7	5953.0	6223.6	6860.8	7071.1	7635.4	7976.8	6904.5
35°	6184.1	6161.2	6227.8	6309.0	6396.5	6775.4	7479.2	7662.4	8220.4	8611.9	7362.6
37.5°	6481.8	6471.4	6610.9	6781.7	6962.8	7437.5	8108.0	8249.6	8722.3	9303.2	7922.7
40°	6779.6	6777.5	7016.9	7316.8	7606.2	8097.6	8584.8	8701.4	9028.3	9840.4	8459.9
42.5°	7112.7	7112.7	7443.8	7843.6	8228.8	8655.6	8934.6	8986.7	9165.8	10150.6	8863.8
45°	7431.3	7450.0	7833.2	8297.5	8753.5	9090.8	9176.2	9180.3	9222.0	10333.9	9199.1
47.5°	7683.2	7699.9	8158.0	8693.1	9184.5	9421.9	9434.4	9415.6	9369.8	10508.8	9457.3
50°	7887.3	7912.3	8391.2	8957.5	9480.2	9740.4	9836.2	9817.5	9700.9	10696.2	9638.4
52.5°	7987.2	8022.6	8472.4	9088.7	9809.2	10286.0	10552.5	10596.2	10196.4	10800.3	9811.2
55°	7187.7	7239.7	7654.1	8497.4	9992.4	11129.3	11547.8	11539.4	10733.6	11110.5	10231.8
57.5°	5428.2	5424.1	5767.6	6690.0	8534.9	11177.1	12159.9	12143.3	11235.4	11470.7	10662.8
60°	3695.9	3670.9	3762.5	4208.1	5967.5	9105.4	11066.8	11291.7	10879.4	10596.2	9053.3
62.5°	3042.1	3019.2	2990.0	2867.2	3427.3	5671.9	7645.8	7987.2	7933.1	7364.7	5678.1
65°	2490.3	2509.0	2590.2	2538.2	2384.1	2908.8	3968.6	4170.6	3812.5	3208.6	1984.3
67.5°	1836.5	1844.8	1951.0	2225.9	2142.6	1936.4	1867.7	1901.0	1114.0	512.2	331.1
70°	1084.8	1091.1	1188.9	1557.5	1738.6	1486.7	1261.8	1243.1	441.4	137.4	149.9
72.5°	614.2	601.8	620.5	741.3	947.4	789.1	649.6	591.3	133.3	77.0	77.0
75°	291.5	283.2	243.6	229.0	208.2	133.3	83.3	70.8	33.3	31.2	31.2
77.5°	2.1	6.2	4.2	6.2	6.2	4.2	2.1	2.1	6.2	6.2	8.3
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°	7452.1	7452.1	7452.1	7452.1	7452.1	7452.1	7452.1	7452.1	7452.1	7452.1	7452.1
2.5°	7404.2	7341.8	7327.2	7323.0	7264.7	7202.3	7137.7	7112.7	7075.2	7052.3	7071.1
5°	7264.7	7175.2	7096.1	7023.2	6894.1	6752.5	6629.7	6550.5	6475.6	6425.6	6438.1
7.5°	7066.9	6950.3	6769.2	6583.9	6346.5	6134.1	5896.7	5751.0	5615.6	5540.7	5576.1
10°	6856.6	6702.5	6413.1	6098.7	5726.0	5392.8	5053.5	4776.5	4616.2	4464.2	4480.9
12.5°	6650.5	6446.4	6013.3	5536.5	5065.9	4574.6	4062.3	3679.2	3416.9	3227.4	3198.2
15°	6458.9	6196.6	5624.0	4995.2	4353.8	3700.0	3046.2	2498.6	2194.6	2007.2	1994.7
17.5°	6288.2	5963.4	5220.0	4428.8	3625.1	2788.0	2036.4	1626.2	1451.3	1370.1	1361.7
20°	6123.7	5728.1	4807.8	3854.1	2829.7	1957.2	1405.5	1216.0	1159.8	1126.5	1130.6
22.5°	5965.4	5472.0	4374.7	3217.0	2121.7	1374.2	1089.0	1016.1	1009.9	1014.0	1016.1
25°	5832.2	5236.7	3929.1	2602.7	1513.7	1047.3	909.9	889.1	907.8	934.9	939.1
27.5°	5763.5	5045.1	3493.9	1984.3	1095.2	851.6	789.1	797.5	830.8	859.9	864.1
30°	5782.2	4901.5	3044.1	1438.8	843.3	718.4	697.5	714.2	747.5	774.6	778.7
32.5°	5915.5	4828.6	2584.0	1047.3	693.4	626.7	618.4	630.9	660.1	680.9	683.0
35°	6179.9	4845.2	2146.7	801.6	595.5	558.0	555.9	564.3	578.8	593.4	595.5
37.5°	6569.3	4980.6	1715.7	666.3	539.3	512.2	503.9	503.9	514.3	520.5	524.7
40°	6987.8	5184.6	1374.2	589.3	499.7	470.6	453.9	447.7	456.0	464.3	466.4
42.5°	7333.4	5388.7	1116.0	535.1	468.5	428.9	408.1	403.9	414.4	428.9	433.1
45°	7597.9	5546.9	930.7	491.4	433.1	389.4	366.5	366.5	385.2	410.2	414.4
47.5°	7839.4	5673.9	793.3	451.8	399.8	354.0	331.1	335.2	366.5	399.8	406.0
50°	8003.9	5776.0	691.3	416.4	372.7	324.8	304.0	312.3	349.8	389.4	395.6
52.5°	8180.9	5900.9	624.7	385.2	347.7	301.9	283.2	289.4	331.1	374.8	383.1
55°	8670.2	6319.4	622.6	343.6	304.0	270.7	262.4	264.4	306.1	356.1	366.5
57.5°	9070.0	6688.0	664.2	289.4	254.0	237.4	233.2	235.3	272.8	329.0	341.5
60°	7504.2	5197.1	549.7	239.5	212.4	208.2	202.0	206.1	241.5	291.5	301.9
62.5°	4441.3	2971.3	262.4	183.2	181.1	177.0	170.7	179.1	212.4	256.1	262.4
65°	1517.9	880.8	166.6	149.9	154.1	147.8	141.6	149.9	179.1	204.1	206.1
67.5°	291.5	233.2	133.3	124.9	127.0	114.5	112.4	120.8	137.4	141.6	139.5
70°	152.0	135.3	102.0	102.0	97.9	81.2	81.2	89.5	89.5	83.3	81.2
72.5°	79.1	75.0	66.6	75.0	62.5	50.0	50.0	54.1	50.0	41.6	41.6
75°	31.2	31.2	29.2	37.5	27.1	22.9	20.8	25.0	18.7	14.6	14.6
77.5°	8.3	8.3	8.3	10.4	6.2	6.2	4.2	4.2	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)