

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: P642756

Luminaire Tested: GWS-SA6D-750-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-750-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE 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: 23748.9 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

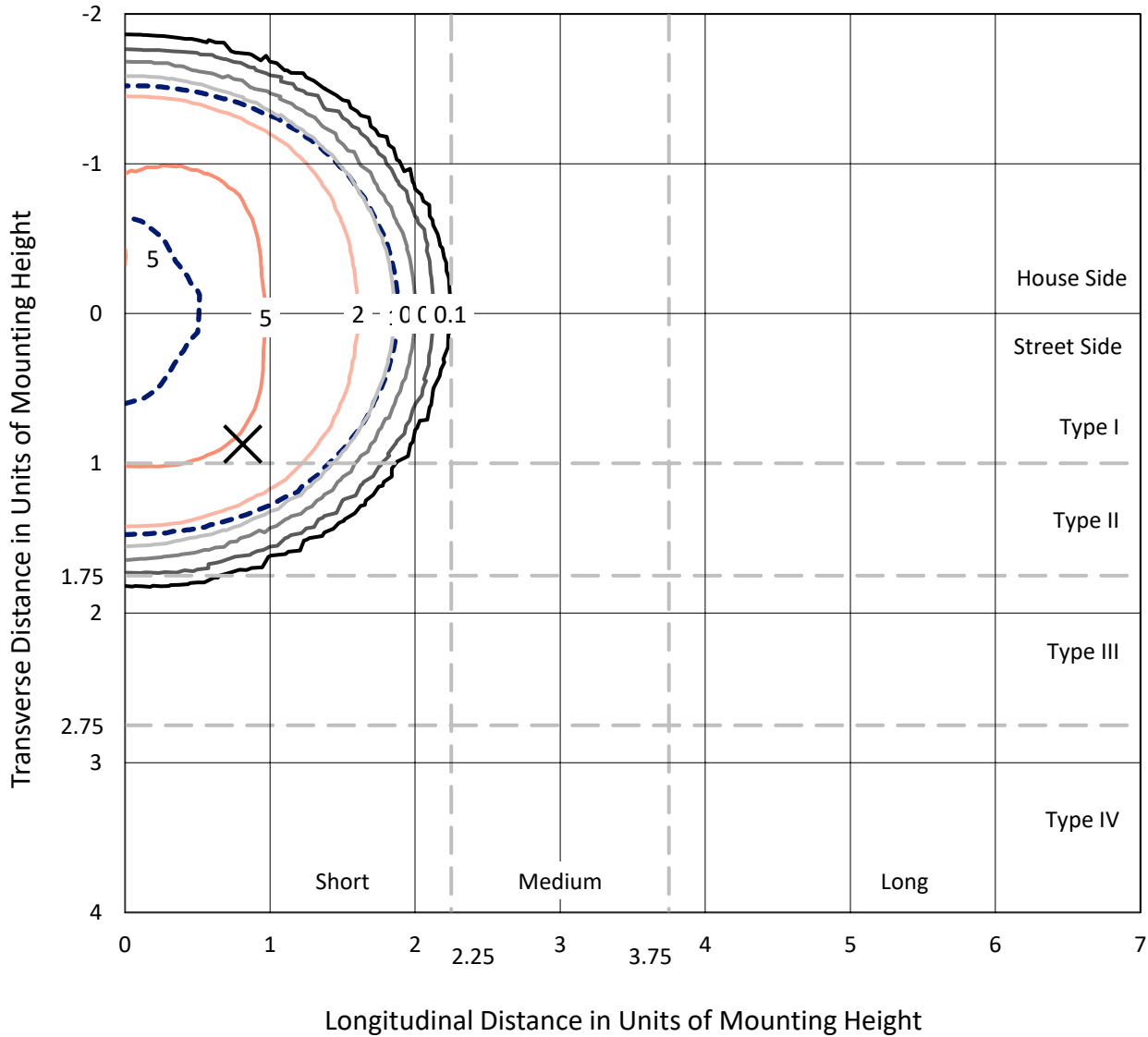
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

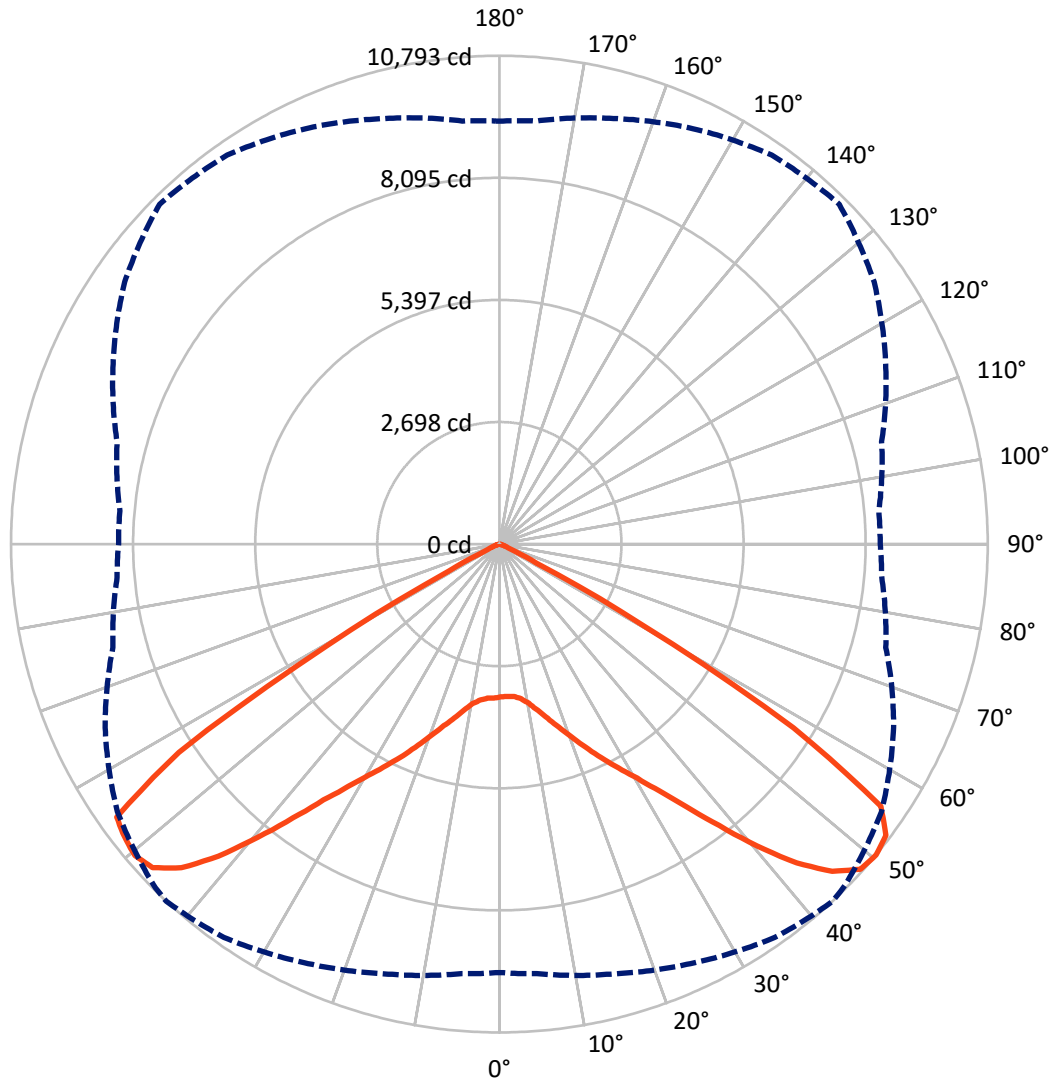
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11874.2	0.0	11874.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11874.7	0.0	11874.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	23748.9	0.0	23748.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.7	1.4
10°-20°	1144.7	4.8
20°-30°	2316.0	9.8
30°-40°	4296.9	18.1
40°-50°	7132.7	30.0
50°-60°	7279.2	30.7
60°-70°	1193.7	5.0
70°-80°	52.3	0.2
80°-90°	0.7	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°	23748.9	100.0
0°-180°	23748.9	100.0

Coefficient of Utilization



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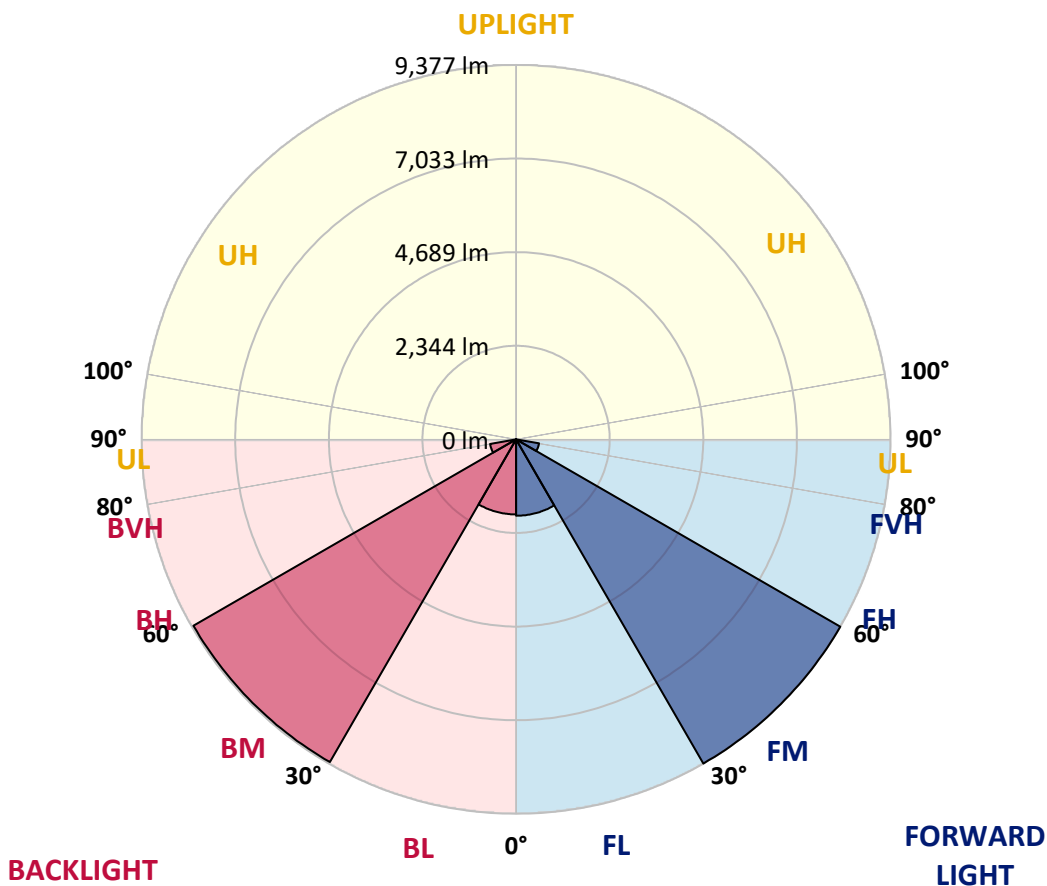
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1913.3	8.1			
FM (30°-60°)	9377.2	39.5			
FH (60°-80°)	584.0	2.5			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	1880.1	7.9	B3/2500		
BM (30°-60°)	9331.6	39.3	B5		
BH (60°-80°)	662.0	2.8	B2/1000		G1/1800
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9
2.5°	3314.9	3322.7	3333.3	3343.8	3356.9	3370.0	3377.9	3401.5	3396.3	3417.3	3417.3
5°	3278.1	3286.0	3299.1	3322.7	3351.6	3380.5	3401.5	3448.8	3475.1	3517.1	3532.9
7.5°	3296.5	3307.0	3322.7	3359.5	3404.2	3448.8	3472.5	3548.6	3601.2	3680.0	3724.6
10°	3356.9	3367.4	3393.7	3456.7	3514.5	3577.5	3606.4	3703.6	3787.7	3895.4	3958.4
12.5°	3425.2	3438.3	3490.9	3585.4	3685.2	3769.3	3808.7	3916.4	4003.1	4123.9	4223.7
15°	3496.1	3517.1	3598.5	3737.8	3879.6	3992.5	4034.6	4150.1	4236.8	4365.5	4478.5
17.5°	3661.6	3685.2	3777.2	3926.9	4121.3	4252.6	4289.4	4410.2	4475.9	4562.5	4680.7
20°	3869.1	3913.7	4026.7	4207.9	4420.7	4546.8	4573.0	4691.2	4686.0	4722.8	4825.2
22.5°	4126.5	4158.0	4281.5	4496.9	4735.9	4875.1	4935.5	4985.4	4919.8	4888.2	4953.9
25°	4394.4	4431.2	4565.2	4801.6	5069.5	5229.7	5279.6	5319.0	5214.0	5095.8	5103.6
27.5°	4741.2	4767.4	4898.8	5150.9	5418.8	5600.1	5644.7	5713.0	5573.8	5384.7	5332.2
30°	5153.5	5179.8	5319.0	5584.3	5849.6	6004.6	6072.9	6156.9	6004.6	5768.2	5707.8
32.5°	5636.8	5663.1	5841.7	6114.9	6332.9	6501.0	6566.7	6656.0	6535.2	6269.9	6201.6
35°	6214.7	6230.5	6440.6	6737.4	6968.6	7131.4	7176.1	7281.1	7147.2	6881.9	6845.1
37.5°	6884.5	6902.9	7131.4	7475.5	7711.9	7893.2	7964.1	7993.0	7830.1	7533.3	7504.4
40°	7620.0	7680.4	7903.7	8274.0	8539.3	8767.8	8830.9	8733.7	8505.2	8100.7	8048.1
42.5°	8387.0	8439.5	8689.0	9090.9	9398.2	9632.0	9634.6	9424.5	9035.8	8476.3	8397.5
45°	9025.3	9046.3	9369.4	9773.9	10152.1	10317.6	10333.3	9952.5	9366.7	8694.3	8526.2
47.5°	9463.9	9498.1	9779.1	10167.9	10585.5	10735.2	10703.7	10228.3	9524.3	8836.1	8557.7
50°	9469.2	9527.0	9831.6	10207.3	10611.8	10793.0	10748.4	10307.1	9613.6	8841.4	8481.5
52.5°	8631.3	8725.8	9222.3	9766.0	10385.9	10695.8	10706.3	10409.5	9579.5	8757.3	8413.2
55°	6511.5	6614.0	7239.1	8166.3	9364.1	10228.3	10378.0	10288.7	9540.1	8794.1	8534.1
57.5°	3446.2	3367.4	3714.1	4633.5	6138.5	7667.3	8105.9	8820.4	9101.4	8838.8	8757.3
60°	751.2	801.1	1066.4	1436.8	2395.5	3606.4	4034.6	5258.6	6713.8	7359.9	7827.5
62.5°	323.1	317.8	331.0	375.6	549.0	914.1	1116.3	1822.9	2876.2	3950.5	4678.1
65°	265.3	267.9	278.4	278.4	260.0	262.7	275.8	417.6	672.4	943.0	1266.1
67.5°	199.6	202.3	220.6	225.9	212.8	189.1	186.5	157.6	165.5	207.5	215.4
70°	126.1	126.1	136.6	141.8	141.8	131.3	128.7	112.9	110.3	126.1	141.8
72.5°	68.3	68.3	73.5	76.2	73.5	70.9	70.9	68.3	65.7	76.2	97.2
75°	28.9	28.9	31.5	31.5	28.9	28.9	28.9	28.9	28.9	34.1	52.5
77.5°	5.3	7.9	10.5	7.9	5.3	5.3	5.3	7.9	7.9	10.5	15.8
80°	2.6	2.6	5.3	2.6	0.0	0.0	0.0	0.0	2.6	2.6	2.6
82.5°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
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°	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9	3377.9
2.5°	3435.7	3406.8	3417.3	3422.6	3414.7	3409.4	3380.5	3372.7	3359.5	3338.5	3333.3
5°	3551.3	3527.6	3525.0	3509.2	3472.5	3427.8	3372.7	3349.0	3322.7	3296.5	3291.2
7.5°	3745.6	3716.7	3698.4	3645.8	3561.8	3490.9	3398.9	3349.0	3314.9	3280.7	3272.8
10°	3995.2	3961.0	3908.5	3811.3	3698.4	3595.9	3488.2	3422.6	3370.0	3322.7	3320.1
12.5°	4260.5	4223.7	4129.1	4005.7	3869.1	3774.5	3637.9	3546.0	3467.2	3396.3	3388.4
15°	4538.9	4494.2	4365.5	4218.4	4092.4	3995.2	3845.5	3698.4	3577.5	3475.1	3464.6
17.5°	4751.7	4696.5	4544.1	4433.8	4331.4	4231.6	4063.5	3869.1	3708.9	3585.4	3556.5
20°	4885.6	4833.1	4688.6	4628.2	4580.9	4510.0	4310.4	4108.1	3929.5	3777.2	3750.9
22.5°	5014.3	4951.3	4825.2	4825.2	4862.0	4833.1	4617.7	4386.5	4176.4	4000.4	3961.0
25°	5158.8	5108.9	5019.6	5093.1	5185.1	5182.4	4961.8	4672.9	4431.2	4234.2	4194.8
27.5°	5368.9	5319.0	5287.5	5426.7	5542.3	5534.4	5292.8	4980.2	4725.4	4531.0	4494.2
30°	5739.3	5692.0	5657.9	5826.0	5973.1	5917.9	5652.6	5350.5	5093.1	4872.5	4846.2
32.5°	6233.1	6183.2	6138.5	6306.6	6438.0	6367.1	6114.9	5831.2	5534.4	5319.0	5266.5
35°	6881.9	6776.8	6732.2	6931.8	6987.0	6908.2	6666.5	6417.0	6101.8	5854.9	5820.7
37.5°	7551.7	7428.2	7396.7	7570.1	7659.4	7630.5	7346.8	7086.8	6745.3	6472.1	6432.7
40°	8124.3	8011.4	7956.2	8226.7	8429.0	8447.4	8192.6	7874.8	7472.9	7189.2	7118.3
42.5°	8460.5	8363.3	8350.2	8770.5	9101.4	9337.8	9033.1	8704.8	8281.9	7961.5	7903.7
45°	8536.7	8473.7	8584.0	9135.6	9650.4	10081.2	9821.1	9474.4	9017.4	8678.5	8623.4
47.5°	8528.8	8507.8	8704.8	9324.7	9976.1	10506.7	10378.0	9986.6	9545.3	9190.7	9138.2
50°	8415.9	8418.5	8746.8	9419.3	10107.4	10622.3	10493.6	10131.1	9737.1	9387.7	9345.7
52.5°	8371.2	8355.5	8668.0	9390.4	10241.4	10569.7	10280.8	9873.7	9435.0	9004.2	8941.2
55°	8528.8	8489.4	8678.5	9366.7	10257.2	10540.9	9779.1	8896.6	7998.2	7488.7	7446.6
57.5°	8765.2	8723.2	8812.5	9193.4	9435.0	8765.2	7197.1	5773.4	4848.8	4457.5	4286.7
60°	7827.5	7798.6	7730.3	7270.6	6235.7	4704.4	3204.5	2043.6	1468.3	1187.3	1187.3
62.5°	4856.7	4817.3	4447.0	3304.4	2400.8	1389.5	764.4	478.1	362.5	338.8	336.2
65°	1363.2	1355.4	1121.6	793.3	504.3	312.6	275.8	281.1	275.8	267.9	265.3
67.5°	204.9	225.9	225.9	183.9	176.0	197.0	231.1	246.9	233.8	220.6	215.4
70°	131.3	141.8	136.6	118.2	126.1	147.1	165.5	168.1	160.2	147.1	144.5
72.5°	91.9	102.4	84.1	76.2	78.8	86.7	94.6	94.6	91.9	86.7	81.4
75°	55.2	55.2	39.4	36.8	36.8	39.4	39.4	44.7	44.7	42.0	39.4
77.5°	18.4	21.0	13.1	10.5	10.5	10.5	13.1	15.8	15.8	13.1	10.5
80°	2.6	5.3	2.6	2.6	2.6	2.6	2.6	2.6	5.3	5.3	2.6
82.5°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
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)