

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: P642646

Luminaire Tested: GWS-SA6D-735-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642646
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22898.7 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

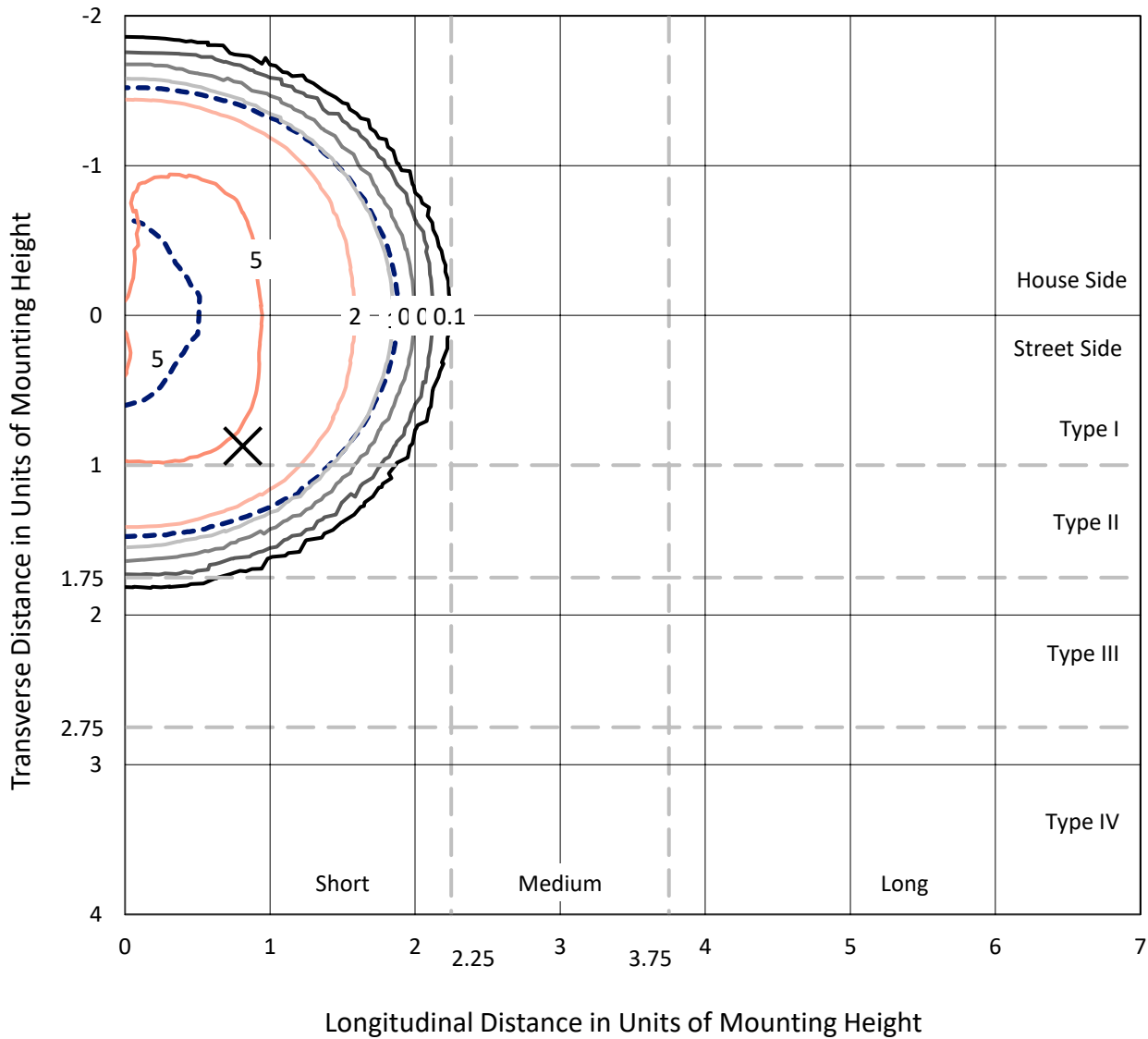
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

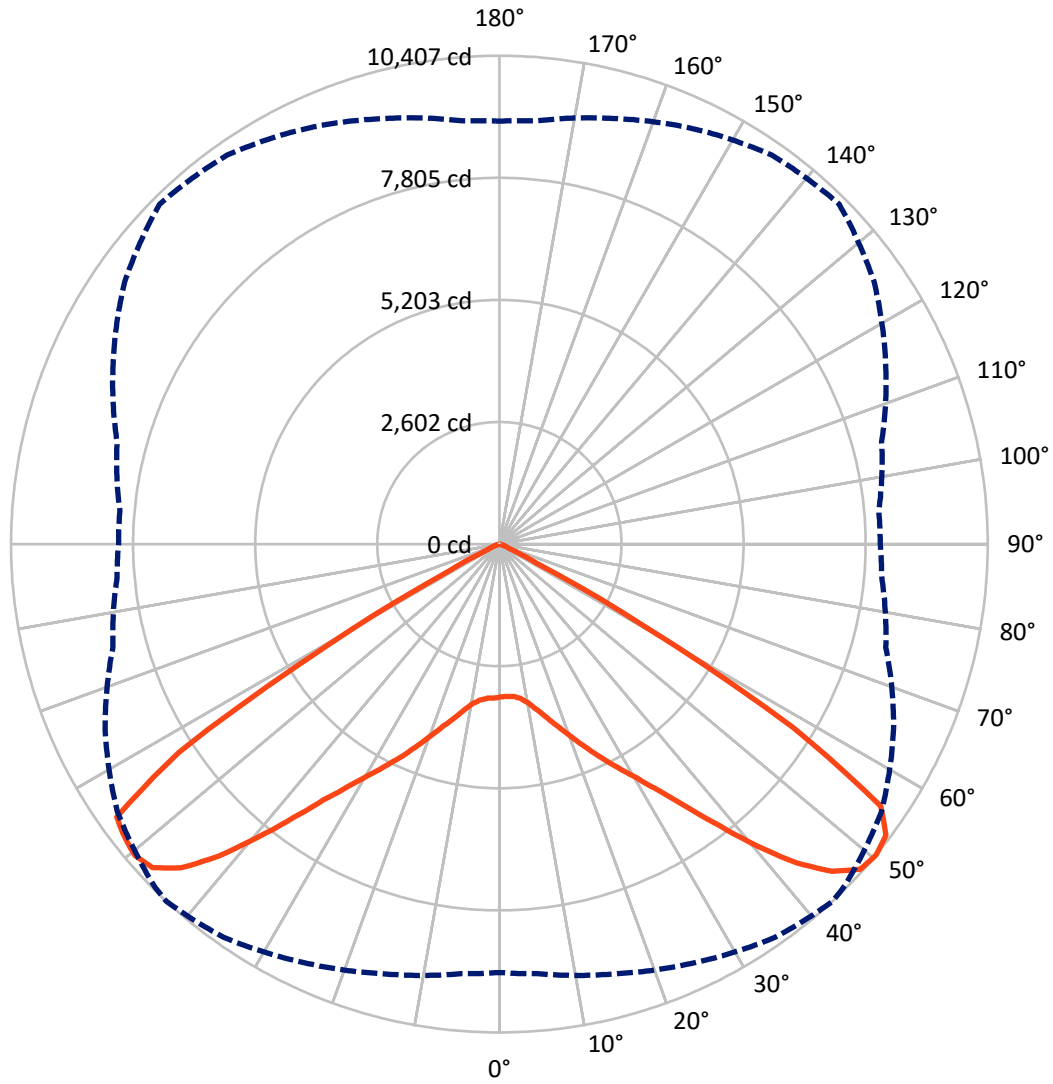
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	11449.1	0.0	11449.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11449.6	0.0	11449.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	22898.7	0.0	22898.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.7	1.4
10°-20°	1103.7	4.8
20°-30°	2233.1	9.8
30°-40°	4143.1	18.1
40°-50°	6877.4	30.0
50°-60°	7018.6	30.7
60°-70°	1151.0	5.0
70°-80°	50.4	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°	22898.7	100.0
0°-180°	22898.7	100.0

Coefficient of Utilization



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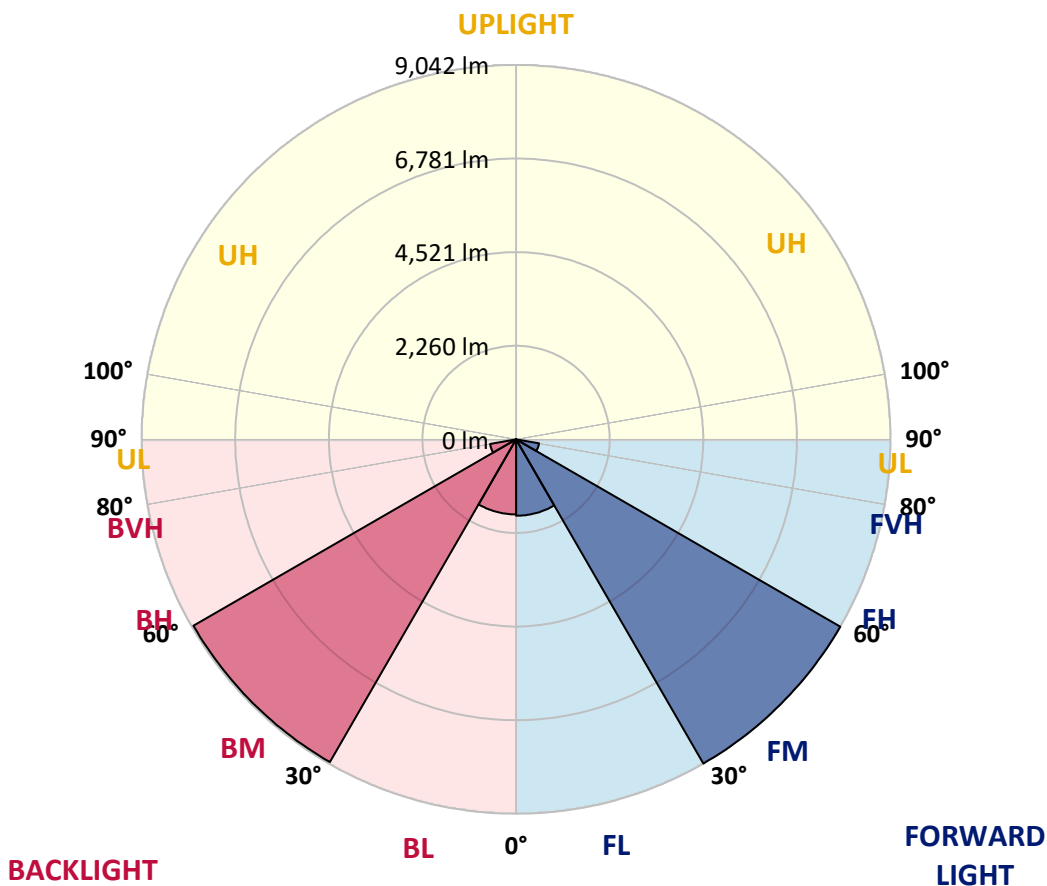
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1844.8	8.1			
FM (30°-60°)	9041.5	39.5			
FH (60°-80°)	563.1	2.5			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	1812.7	7.9	B3/2500		
BM (30°-60°)	8997.6	39.3	B5		
BH (60°-80°)	638.3	2.8	B2/1000		G0/660
BVH (80°-90°)	0.4	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-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	3257.0	3257.0	3257.0	3257.0	3257.0	3257.0	3257.0	3257.0	3257.0	3257.0	3257.0
2.5°	3196.2	3203.8	3213.9	3224.1	3236.7	3249.4	3257.0	3279.8	3274.7	3295.0	3295.0
5°	3160.7	3168.3	3181.0	3203.8	3231.7	3259.5	3279.8	3325.4	3350.7	3391.2	3406.4
7.5°	3178.5	3188.6	3203.8	3239.2	3282.3	3325.4	3348.2	3421.6	3472.3	3548.2	3591.3
10°	3236.7	3246.8	3272.2	3333.0	3388.7	3449.5	3477.3	3571.0	3652.1	3755.9	3816.7
12.5°	3302.6	3315.2	3365.9	3457.1	3553.3	3634.3	3672.3	3776.2	3859.7	3976.2	4072.5
15°	3370.9	3391.2	3469.7	3603.9	3740.7	3849.6	3890.1	4001.6	4085.2	4209.3	4318.2
17.5°	3530.5	3553.3	3641.9	3786.3	3973.7	4100.3	4135.8	4252.3	4315.6	4399.2	4513.2
20°	3730.6	3773.6	3882.5	4057.3	4262.4	4384.0	4409.3	4523.3	4518.2	4553.7	4652.5
22.5°	3978.8	4009.2	4128.2	4335.9	4566.4	4700.6	4758.8	4807.0	4743.6	4713.2	4776.6
25°	4237.1	4272.6	4401.7	4629.7	4888.0	5042.5	5090.6	5128.6	5027.3	4913.3	4920.9
27.5°	4571.4	4596.7	4723.4	4966.5	5224.8	5399.6	5442.6	5508.5	5374.3	5191.9	5141.3
30°	4969.0	4994.4	5128.6	5384.4	5640.2	5789.6	5855.5	5936.5	5789.6	5561.7	5503.4
32.5°	5435.1	5460.4	5632.6	5896.0	6106.2	6268.3	6331.6	6417.7	6301.2	6045.4	5979.6
35°	5992.2	6007.4	6210.0	6496.2	6719.1	6876.1	6919.2	7020.5	6891.3	6635.5	6600.1
37.5°	6638.1	6655.8	6876.1	7207.9	7435.8	7610.6	7679.0	7706.8	7549.8	7263.6	7235.8
40°	7347.2	7405.4	7620.7	7977.8	8233.6	8454.0	8514.7	8421.0	8200.7	7810.7	7760.0
42.5°	8086.7	8137.4	8378.0	8765.5	9061.8	9287.2	9289.7	9087.1	8712.3	8172.8	8096.9
45°	8702.2	8722.4	9033.9	9424.0	9788.7	9948.2	9963.4	9596.2	9031.4	8383.0	8221.0
47.5°	9125.1	9158.0	9429.0	9803.9	10206.5	10350.9	10320.5	9862.1	9183.4	8519.8	8251.3
50°	9130.2	9185.9	9479.7	9841.8	10231.9	10406.6	10363.6	9938.1	9269.5	8524.9	8177.9
52.5°	8322.3	8413.4	8892.1	9416.4	10014.1	10312.9	10323.0	10036.9	9236.5	8443.8	8112.1
55°	6278.4	6377.2	6980.0	7874.0	9028.9	9862.1	10006.5	9920.4	9198.6	8479.3	8228.6
57.5°	3322.8	3246.8	3581.2	4467.6	5918.8	7392.8	7815.7	8504.6	8775.6	8522.3	8443.8
60°	724.3	772.5	1028.3	1385.4	2309.8	3477.3	3890.1	5070.3	6473.4	7096.5	7547.3
62.5°	311.5	306.4	319.1	362.2	529.3	881.4	1076.4	1757.7	2773.2	3809.1	4510.6
65°	255.8	258.3	268.5	268.5	250.7	253.3	265.9	402.7	648.4	909.2	1220.7
67.5°	192.5	195.0	212.7	217.8	205.1	182.4	179.8	152.0	159.6	200.1	207.7
70°	121.6	121.6	131.7	136.8	136.8	126.6	124.1	108.9	106.4	121.6	136.8
72.5°	65.8	65.8	70.9	73.4	70.9	68.4	68.4	65.8	63.3	73.4	93.7
75°	27.9	27.9	30.4	30.4	27.9	27.9	27.9	27.9	27.9	32.9	50.7
77.5°	5.1	7.6	10.1	7.6	5.1	5.1	5.1	7.6	7.6	10.1	15.2
80°	2.5	2.5	5.1	2.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5
82.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
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°	3257.0	3257.0	3257.0	3257.0	3257.0	3257.0	3257.0	3257.0	3257.0	3257.0	3257.0
2.5°	3312.7	3284.8	3295.0	3300.0	3292.4	3287.4	3259.5	3251.9	3239.2	3219.0	3213.9
5°	3424.1	3401.3	3398.8	3383.6	3348.2	3305.1	3251.9	3229.1	3203.8	3178.5	3173.4
7.5°	3611.5	3583.7	3566.0	3515.3	3434.3	3365.9	3277.2	3229.1	3196.2	3163.3	3155.7
10°	3852.1	3819.2	3768.6	3674.9	3566.0	3467.2	3363.3	3300.0	3249.4	3203.8	3201.3
12.5°	4107.9	4072.5	3981.3	3862.3	3730.6	3639.4	3507.7	3419.1	3343.1	3274.7	3267.1
15°	4376.4	4333.4	4209.3	4067.4	3945.9	3852.1	3707.8	3566.0	3449.5	3350.7	3340.6
17.5°	4581.5	4528.4	4381.5	4275.1	4176.3	4080.1	3918.0	3730.6	3576.1	3457.1	3429.2
20°	4710.7	4660.1	4520.8	4462.5	4416.9	4348.5	4156.1	3961.1	3788.8	3641.9	3616.6
22.5°	4834.8	4774.0	4652.5	4652.5	4687.9	4660.1	4452.4	4229.5	4026.9	3857.2	3819.2
25°	4974.1	4926.0	4839.9	4910.8	4999.4	4996.9	4784.2	4505.6	4272.6	4082.6	4044.6
27.5°	5176.7	5128.6	5098.2	5232.4	5343.9	5336.3	5103.3	4801.9	4556.2	4368.8	4333.4
30°	5533.8	5488.2	5455.3	5617.4	5759.2	5706.0	5450.2	5159.0	4910.8	4698.1	4672.7
32.5°	6010.0	5961.8	5918.8	6080.9	6207.5	6139.1	5896.0	5622.5	5336.3	5128.6	5077.9
35°	6635.5	6534.2	6491.2	6683.6	6736.8	6660.8	6427.8	6187.2	5883.3	5645.3	5612.3
37.5°	7281.3	7162.3	7131.9	7299.1	7385.2	7357.3	7083.8	6833.1	6503.8	6240.4	6202.4
40°	7833.5	7724.6	7671.4	7932.2	8127.2	8145.0	7899.3	7592.9	7205.4	6931.8	6863.5
42.5°	8157.6	8063.9	8051.3	8456.5	8775.6	9003.5	8709.8	8393.2	7985.4	7676.4	7620.7
45°	8231.1	8170.3	8276.7	8808.5	9304.9	9720.3	9469.5	9135.2	8694.6	8367.8	8314.7
47.5°	8223.5	8203.2	8393.2	8990.9	9619.0	10130.6	10006.5	9629.1	9203.6	8861.7	8811.1
50°	8114.6	8117.1	8433.7	9082.1	9745.6	10242.0	10117.9	9768.4	9388.5	9051.7	9011.1
52.5°	8071.5	8056.3	8357.7	9054.2	9874.8	10191.4	9912.8	9520.2	9097.3	8681.9	8621.1
55°	8223.5	8185.5	8367.8	9031.4	9890.0	10163.5	9429.0	8578.1	7711.9	7220.6	7180.0
57.5°	8451.4	8410.9	8497.0	8864.2	9097.3	8451.4	6939.4	5566.7	4675.3	4297.9	4133.3
60°	7547.3	7519.4	7453.6	7010.4	6012.5	4536.0	3089.8	1970.4	1415.7	1144.8	1144.8
62.5°	4682.9	4644.9	4287.8	3186.1	2314.8	1339.8	737.0	460.9	349.5	326.7	324.2
65°	1314.4	1306.8	1081.4	764.9	486.3	301.4	265.9	271.0	265.9	258.3	255.8
67.5°	197.5	217.8	217.8	177.3	169.7	189.9	222.9	238.1	225.4	212.7	207.7
70°	126.6	136.8	131.7	114.0	121.6	141.8	159.6	162.1	154.5	141.8	139.3
72.5°	88.6	98.8	81.0	73.4	76.0	83.6	91.2	91.2	88.6	83.6	78.5
75°	53.2	53.2	38.0	35.5	35.5	38.0	38.0	43.1	43.1	40.5	38.0
77.5°	17.7	20.3	12.7	10.1	10.1	10.1	12.7	15.2	15.2	12.7	10.1
80°	2.5	5.1	2.5	2.5	2.5	2.5	2.5	2.5	5.1	5.1	2.5
82.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
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)