

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: P635998

Luminaire Tested: GWS-SA3E-830-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635998
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-SA3E-830-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10218 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

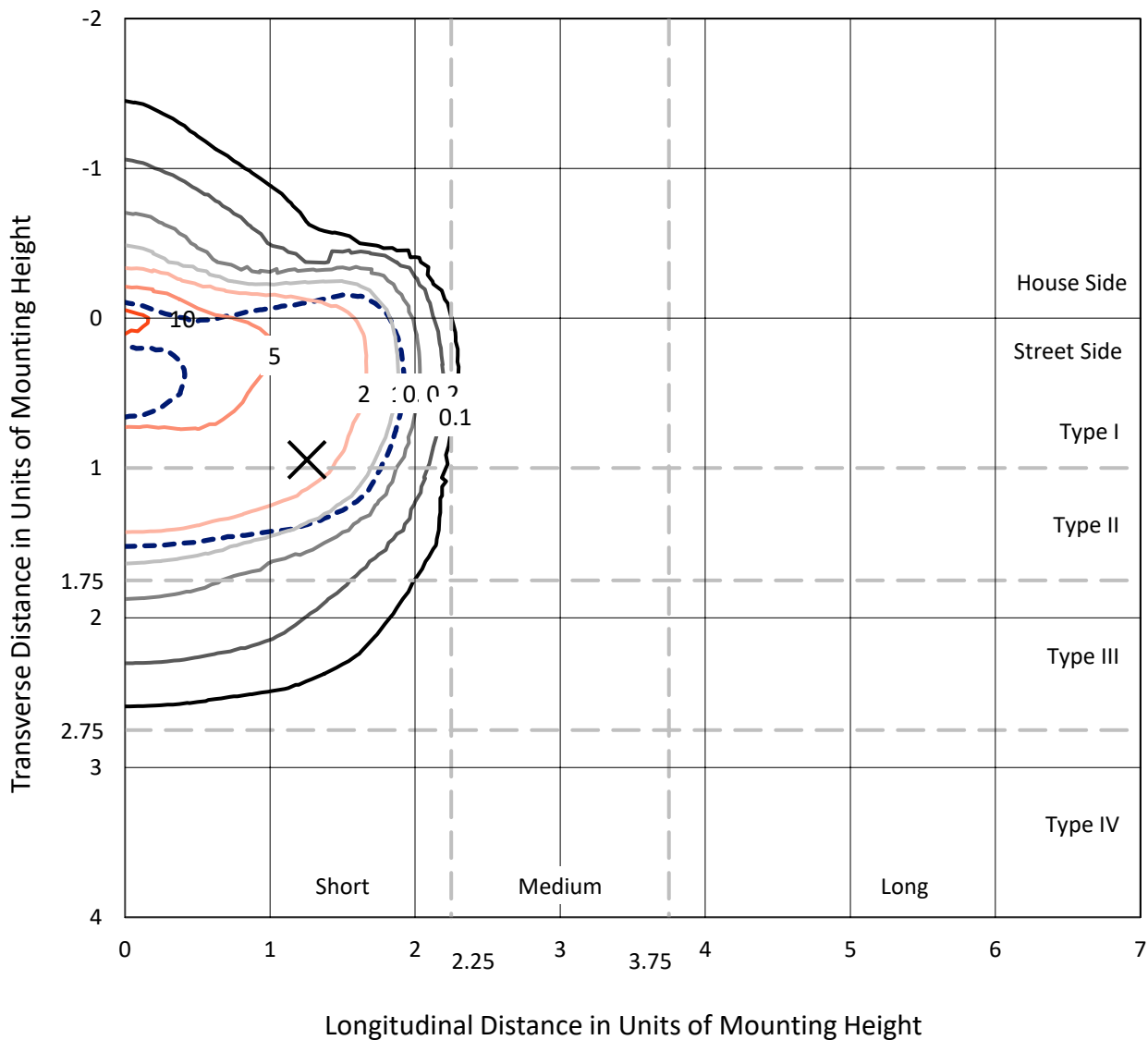
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

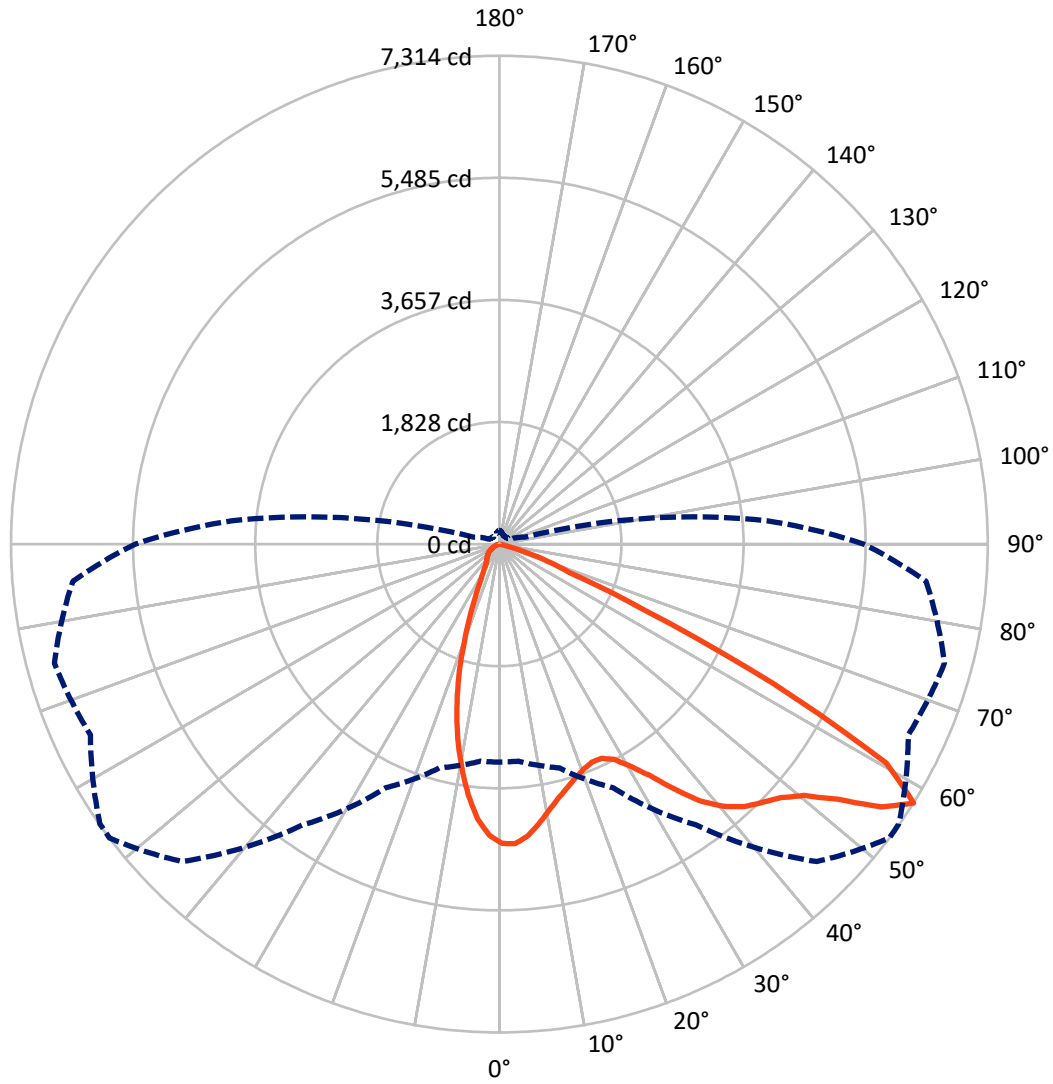
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.2 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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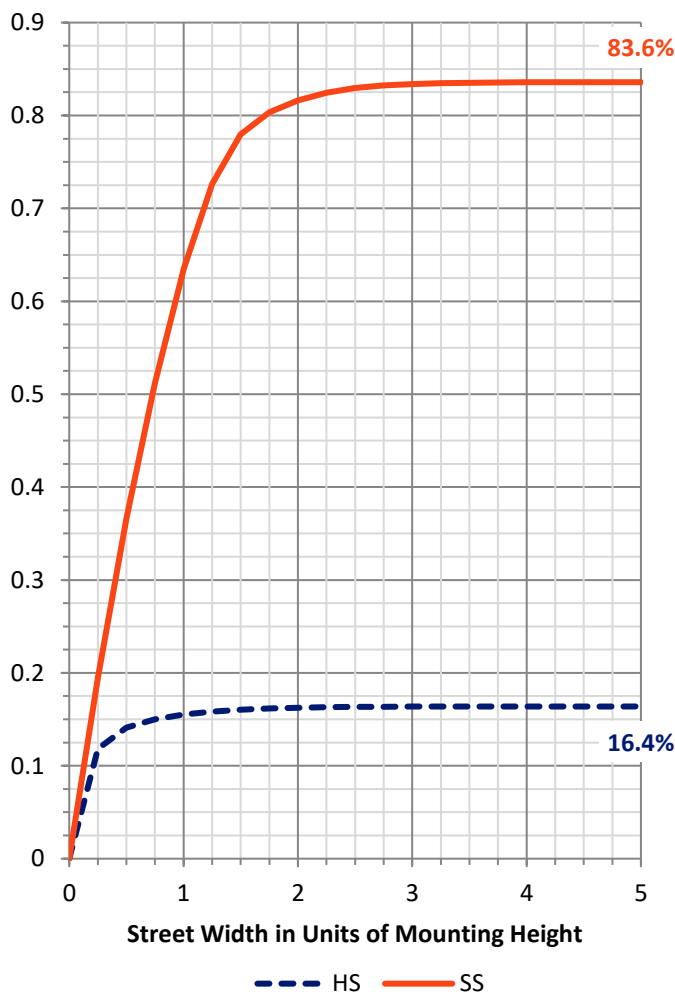
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1687.9	0.0	1687.9
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	8530.1	0.0	8530.1
	% Fixture	83.5	0.0	83.5
Total	Lumens	10218.0	0.0	10218.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.5	3.8
10°-20°	841.9	8.2
20°-30°	1096.8	10.7
30°-40°	1590.9	15.6
40°-50°	2295.5	22.5
50°-60°	2776.2	27.2
60°-70°	1131.5	11.1
70°-80°	101.7	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°	10218.0	100.0
0°-180°	10218.0	100.0

Coefficient of Utilization



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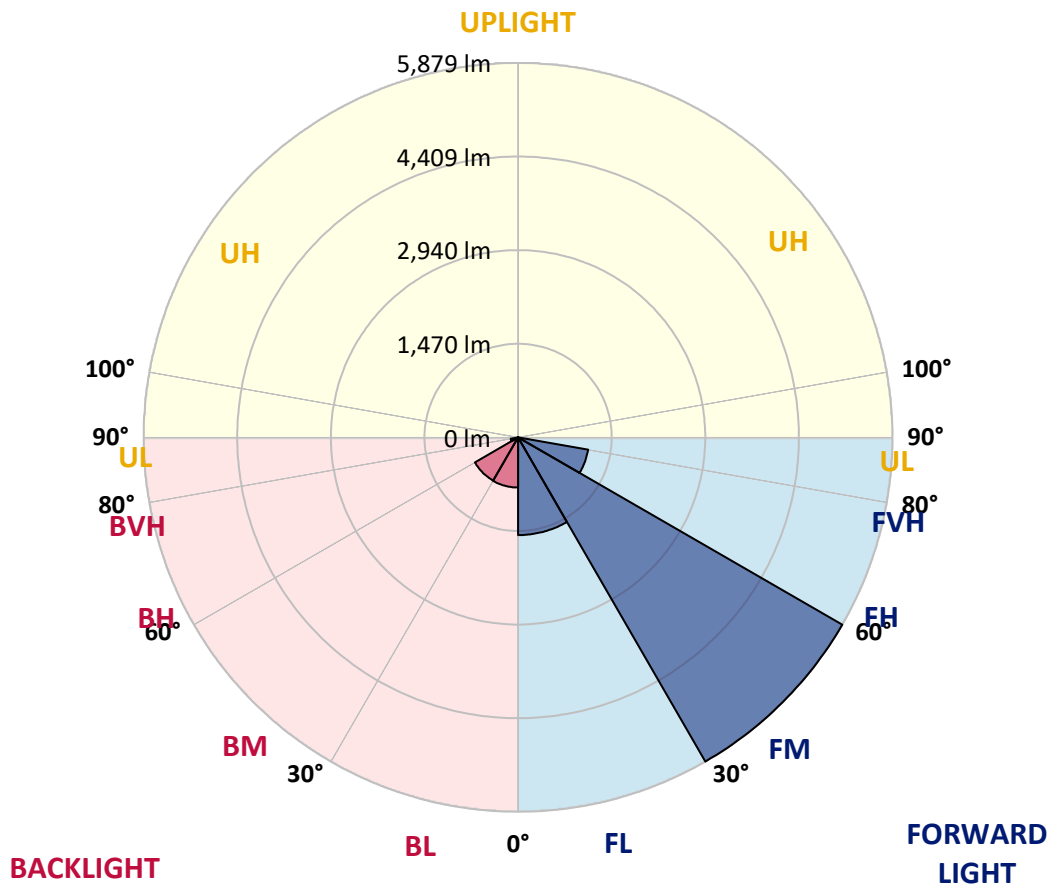
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1534.4	15.0			
FM (30°-60°)	5879.2	57.5			
FH (60°-80°)	1116.5	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	787.8	7.7	B2/1000		
BM (30°-60°)	783.4	7.7	B1/1000		
BH (60°-80°)	116.7	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: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2
2.5°	4419.6	4429.6	4447.1	4469.7	4484.7	4492.2	4492.2	4513.5	4499.7	4488.5	4475.9
5°	4230.5	4240.5	4264.3	4300.6	4336.9	4363.2	4393.3	4415.8	4424.6	4424.6	4403.3
7.5°	3963.7	3977.5	3992.5	4042.6	4121.5	4180.4	4231.7	4264.3	4311.9	4326.9	4296.8
10°	3676.9	3690.7	3724.5	3793.4	3883.6	3971.2	4058.9	4100.2	4181.6	4224.2	4190.4
12.5°	3434.0	3440.2	3485.3	3568.0	3683.2	3803.4	3909.9	3952.4	4067.7	4131.5	4091.5
15°	3233.6	3237.4	3282.4	3373.9	3506.6	3654.4	3788.4	3832.2	3973.7	4070.2	4010.1
17.5°	3082.1	3083.3	3122.1	3221.1	3360.1	3524.1	3683.2	3737.0	3919.9	4036.4	3946.2
20°	3005.7	3001.9	3029.5	3115.9	3247.4	3411.4	3599.3	3665.7	3889.8	4031.3	3897.3
22.5°	3006.9	2998.2	3009.4	3070.8	3182.2	3336.3	3546.7	3621.8	3892.3	4052.6	3856.0
25°	3078.3	3065.8	3068.3	3100.8	3179.7	3320.0	3554.2	3634.3	3942.4	4124.0	3841.0
27.5°	3198.5	3184.8	3184.8	3201.0	3243.6	3371.4	3648.1	3739.5	4076.4	4263.0	3872.3
30°	3353.8	3340.0	3335.0	3351.3	3386.4	3504.1	3857.3	3952.4	4305.6	4491.0	3972.5
32.5°	3531.7	3515.4	3524.1	3546.7	3580.5	3743.3	4126.5	4253.0	4592.4	4797.8	4152.8
35°	3719.5	3705.7	3745.8	3794.7	3847.3	4075.2	4498.5	4608.7	4944.3	5179.8	4428.3
37.5°	3898.6	3892.3	3976.2	4078.9	4187.9	4473.4	4876.7	4961.9	5246.1	5595.5	4765.2
40°	4077.7	4076.4	4220.5	4400.8	4574.9	4870.4	5163.5	5233.6	5430.2	5918.7	5088.3
42.5°	4278.1	4278.1	4477.2	4717.6	4949.3	5206.1	5373.9	5405.2	5512.9	6105.3	5331.3
45°	4469.7	4480.9	4711.4	4990.7	5264.9	5467.8	5519.2	5521.7	5546.7	6215.5	5532.9
47.5°	4621.2	4631.2	4906.7	5228.6	5524.2	5666.9	5674.4	5663.2	5635.6	6320.7	5688.2
50°	4743.9	4759.0	5047.0	5387.7	5702.0	5858.5	5916.1	5904.9	5834.7	6433.4	5797.2
52.5°	4804.1	4825.3	5095.9	5466.6	5899.9	6186.7	6347.0	6373.3	6132.8	6496.0	5901.1
55°	4323.1	4354.5	4603.7	5110.9	6010.1	6693.9	6945.6	6940.6	6455.9	6682.6	6154.1
57.5°	3264.9	3262.4	3469.0	4023.8	5133.4	6722.7	7313.8	7303.8	6757.7	6899.3	6413.3
60°	2222.9	2207.9	2263.0	2531.0	3589.3	5476.6	6656.3	6791.5	6543.6	6373.3	5445.3
62.5°	1829.7	1815.9	1798.4	1724.5	2061.4	3411.4	4598.7	4804.1	4771.5	4429.6	3415.2
65°	1497.8	1509.1	1557.9	1526.6	1434.0	1749.5	2387.0	2508.5	2293.1	1929.9	1193.5
67.5°	1104.6	1109.6	1173.5	1338.8	1288.7	1164.7	1123.4	1143.4	670.0	308.1	199.1
70°	652.5	656.2	715.1	936.8	1045.7	894.2	758.9	747.7	265.5	82.7	90.2
72.5°	369.4	361.9	373.2	445.8	569.8	474.6	390.7	355.7	80.2	46.3	46.3
75°	175.3	170.3	146.5	137.8	125.2	80.2	50.1	42.6	20.0	18.8	18.8
77.5°	1.3	3.8	2.5	3.8	3.8	2.5	1.3	1.3	3.8	3.8	5.0
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°	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2
2.5°	4453.4	4415.8	4407.1	4404.6	4369.5	4331.9	4293.1	4278.1	4255.5	4241.7	4253.0
5°	4369.5	4315.6	4268.0	4224.2	4146.6	4061.4	3987.5	3939.9	3894.8	3864.8	3872.3
7.5°	4250.5	4180.4	4071.4	3960.0	3817.2	3689.5	3546.7	3459.0	3377.6	3332.5	3353.8
10°	4124.0	4031.3	3857.3	3668.2	3444.0	3243.6	3039.5	2872.9	2776.5	2685.1	2695.1
12.5°	4000.0	3877.3	3616.8	3330.0	3047.0	2751.4	2443.4	2212.9	2055.1	1941.2	1923.6
15°	3884.8	3727.0	3382.6	3004.4	2618.7	2225.4	1832.2	1502.8	1320.0	1207.3	1199.8
17.5°	3782.1	3586.8	3139.7	2663.8	2180.4	1676.9	1224.8	978.1	872.9	824.1	819.0
20°	3683.2	3445.2	2891.7	2318.1	1702.0	1177.2	845.3	731.4	697.6	677.5	680.0
22.5°	3588.0	3291.2	2631.2	1934.9	1276.2	826.6	655.0	611.2	607.4	609.9	611.2
25°	3507.9	3149.7	2363.2	1565.5	910.5	629.9	547.3	534.8	546.0	562.3	564.8
27.5°	3466.5	3034.5	2101.5	1193.5	658.7	512.2	474.6	479.7	499.7	517.2	519.7
30°	3477.8	2948.1	1831.0	865.4	507.2	432.1	419.5	429.6	449.6	465.9	468.4
32.5°	3558.0	2904.2	1554.2	629.9	417.0	377.0	372.0	379.5	397.0	409.5	410.8
35°	3717.0	2914.2	1291.2	482.2	358.2	335.6	334.4	339.4	348.2	356.9	358.2
37.5°	3951.2	2995.6	1031.9	400.8	324.4	308.1	303.1	303.1	309.3	313.1	315.6
40°	4202.9	3118.4	826.6	354.4	300.6	283.0	273.0	269.3	274.3	279.3	280.5
42.5°	4410.8	3241.1	671.3	321.9	281.8	258.0	245.5	243.0	249.2	258.0	260.5
45°	4569.9	3336.3	559.8	295.6	260.5	234.2	220.4	220.4	231.7	246.7	249.2
47.5°	4715.1	3412.7	477.1	271.8	240.5	212.9	199.1	201.6	220.4	240.5	244.2
50°	4814.1	3474.0	415.8	250.5	224.2	195.4	182.8	187.9	210.4	234.2	237.9
52.5°	4920.5	3549.2	375.7	231.7	209.1	181.6	170.3	174.1	199.1	225.4	230.4
55°	5214.8	3800.9	374.5	206.6	182.8	162.8	157.8	159.0	184.1	214.2	220.4
57.5°	5455.3	4022.6	399.5	174.1	152.8	142.8	140.3	141.5	164.1	197.9	205.4
60°	4513.5	3125.9	330.6	144.0	127.7	125.2	121.5	124.0	145.3	175.3	181.6
62.5°	2671.3	1787.1	157.8	110.2	109.0	106.5	102.7	107.7	127.7	154.0	157.8
65°	913.0	529.7	100.2	90.2	92.7	88.9	85.2	90.2	107.7	122.7	124.0
67.5°	175.3	140.3	80.2	75.1	76.4	68.9	67.6	72.6	82.7	85.2	83.9
70°	91.4	81.4	61.4	61.4	58.9	48.8	48.8	53.9	53.9	50.1	48.8
72.5°	47.6	45.1	40.1	45.1	37.6	30.1	30.1	32.6	30.1	25.0	25.0
75°	18.8	18.8	17.5	22.5	16.3	13.8	12.5	15.0	11.3	8.8	8.8
77.5°	5.0	5.0	5.0	6.3	3.8	3.8	2.5	2.5	1.3	0.0	0.0
80°	0.0	1.3	0.0	1.3	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)