

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P956271

Luminaire Tested: **GALN-SB9A-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9A-722-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28100 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

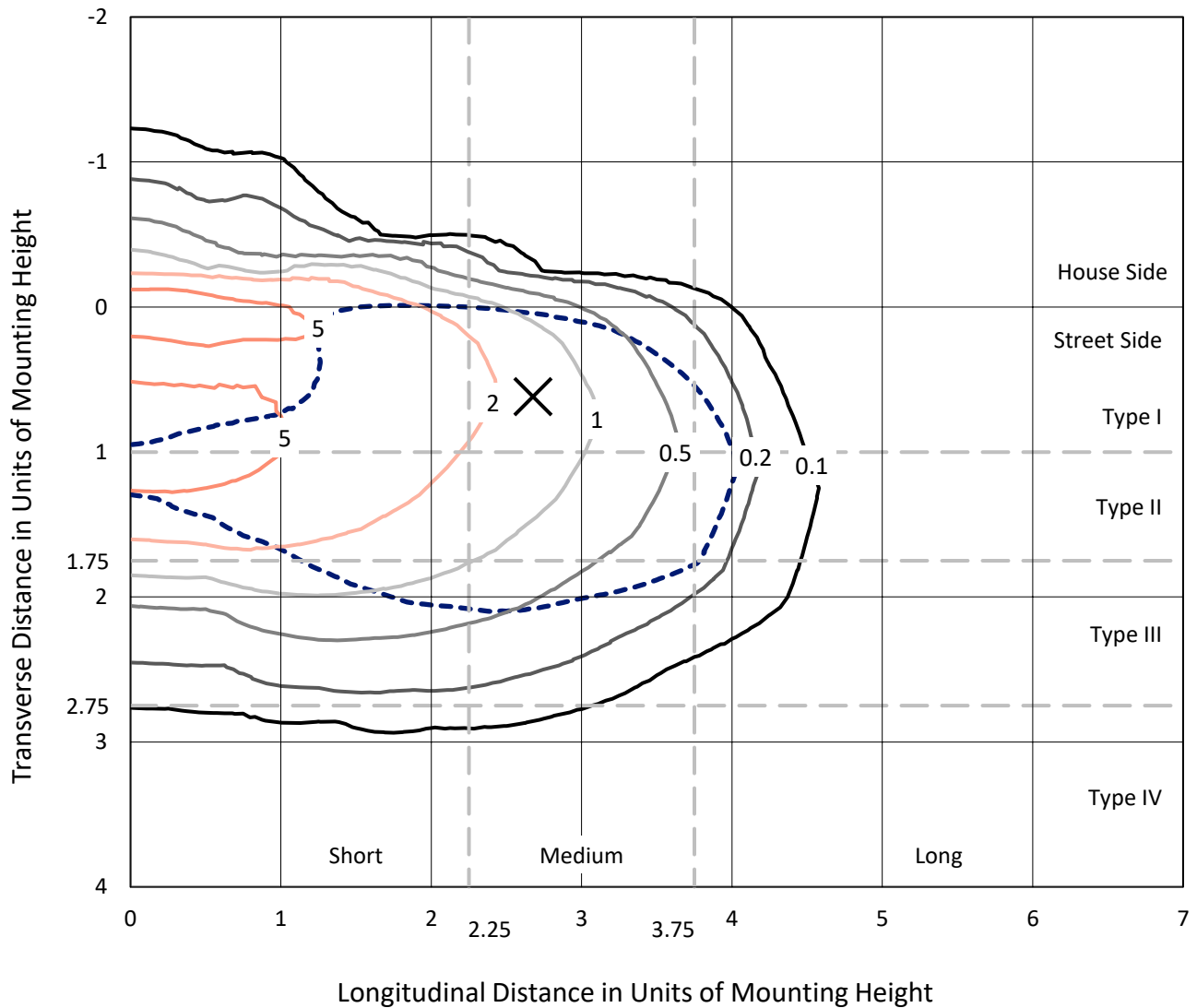
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

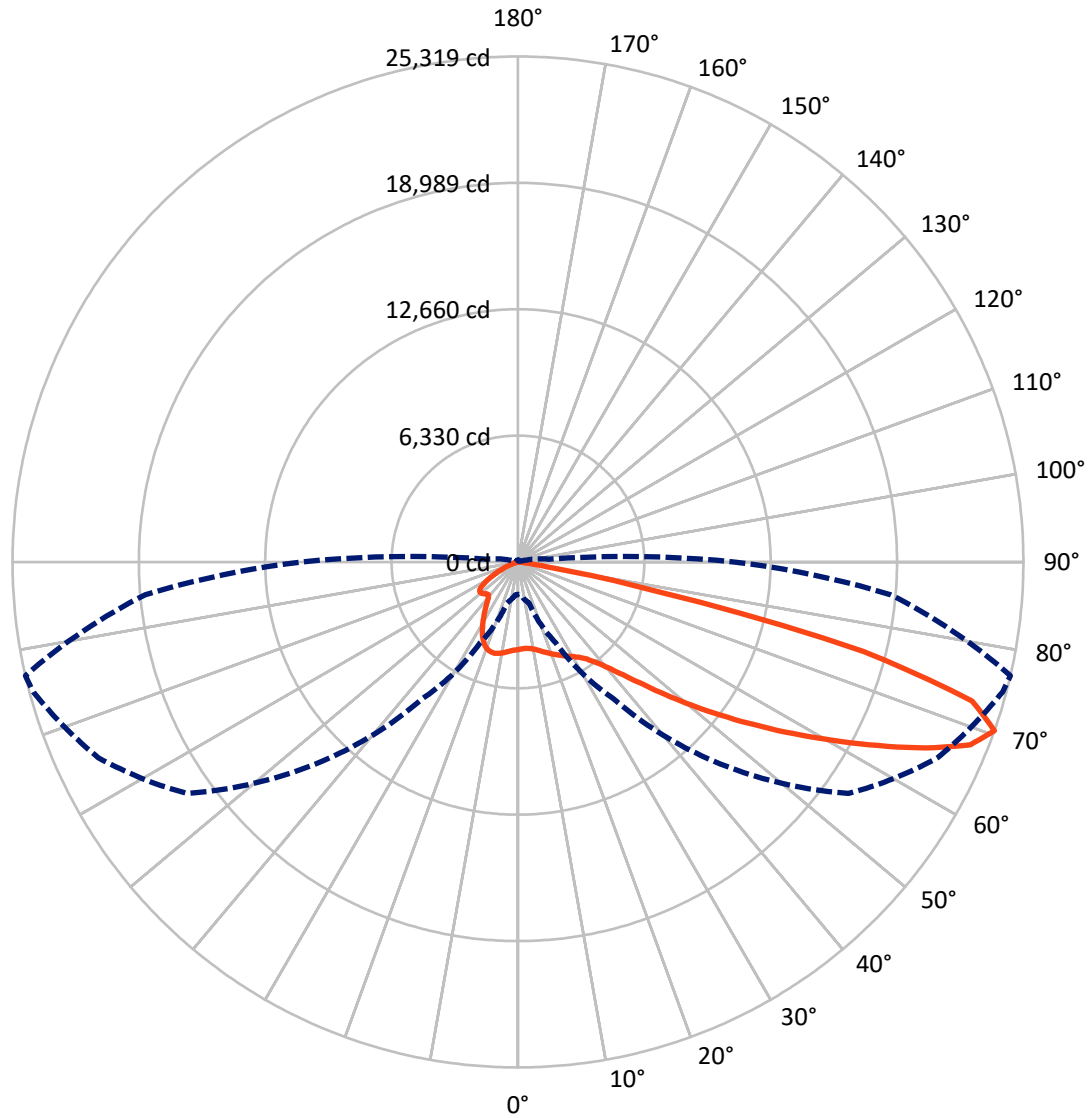
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2962.1	0.0	2962.1
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	25137.9	0.0	25137.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	28100.0	0.0	28100.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.8	1.3
10°-20°	896.7	3.2
20°-30°	1387.0	4.9
30°-40°	2516.8	9.0
40°-50°	4750.8	16.9
50°-60°	6864.5	24.4
60°-70°	7307.0	26.0
70°-80°	3872.2	13.8
80°-90°	127.1	0.5
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°	28100.0	100.0
0°-180°	28100.0	100.0

Coefficient of Utilization



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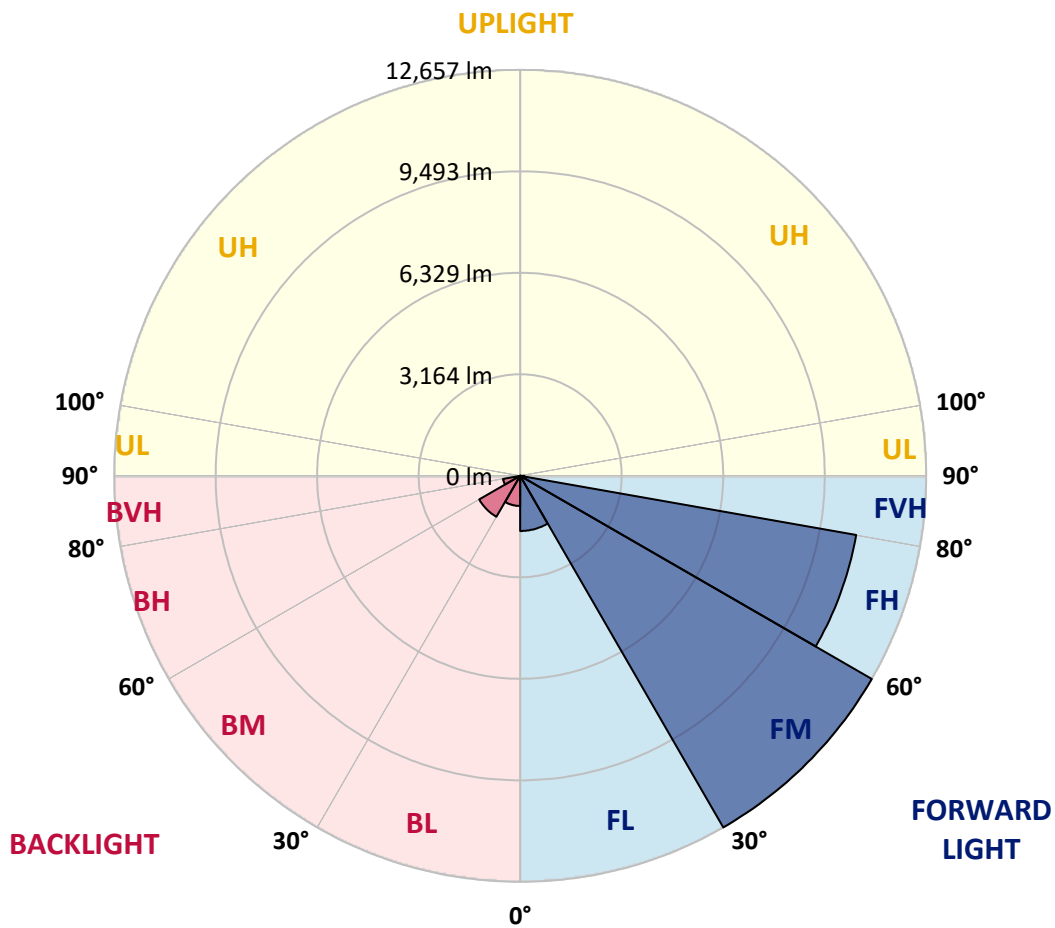
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1720.4	6.1			
FM (30°-60°)	12657.5	45.0			
FH (60°-80°)	10636.2	37.9			G4/12000
FVH (80°-90°)	123.7	0.4			G2/225
BL (0°-30°)	941.1	3.3	B2/1000		
BM (30°-60°)	1474.6	5.2	B2/2500		
BH (60°-80°)	543.0	1.9	B2/1000		G2/1000
BVH (80°-90°)	3.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1
2.5°	4115.1	4152.4	4147.1	4171.9	4180.8	4216.3	4251.8	4299.7	4352.9	4351.2	4386.6
5°	3882.7	3919.9	3928.8	3962.5	4005.1	4060.1	4132.9	4228.7	4328.1	4344.1	4415.0
7.5°	3607.6	3646.7	3669.7	3737.2	3815.2	3928.8	4047.7	4187.9	4352.9	4376.0	4512.6
10°	3332.6	3368.1	3398.2	3494.1	3618.3	3786.8	3980.3	4182.6	4404.4	4438.1	4631.5
12.5°	3162.2	3195.9	3229.6	3313.1	3467.4	3673.3	3935.9	4207.4	4489.6	4537.5	4793.0
15°	3101.9	3132.0	3158.7	3233.2	3376.9	3611.2	3927.0	4258.9	4597.8	4661.7	4988.2
17.5°	3110.8	3126.7	3144.5	3201.3	3341.4	3582.8	3943.0	4347.6	4725.6	4782.4	5183.4
20°	3162.2	3171.1	3172.9	3211.9	3336.1	3579.2	3975.0	4432.8	4846.2	4922.6	5376.8
22.5°	3227.9	3231.4	3227.9	3254.5	3369.8	3605.8	4017.5	4535.7	4981.1	5052.1	5572.0
25°	3534.9	3467.4	3382.3	3330.8	3426.6	3657.3	4081.4	4674.1	5128.4	5197.6	5761.9
27.5°	4487.8	4294.4	3989.1	3646.7	3543.7	3731.8	4170.1	4814.3	5277.5	5339.6	5966.0
30°	6035.2	5781.4	5263.3	4491.3	3919.9	3888.0	4285.5	4954.5	5435.4	5502.8	6184.2
32.5°	7586.1	7524.0	6926.0	5857.7	4766.4	4235.8	4477.1	5144.4	5644.8	5698.0	6478.8
35°	9154.8	9028.8	8539.0	7483.2	6070.7	4943.8	4796.6	5392.8	5919.8	5980.2	6908.3
37.5°	10356.2	10279.9	9976.4	9106.9	7618.1	6037.0	5343.1	5777.9	6319.1	6386.5	7458.4
40°	11417.3	11381.8	11278.9	10705.7	9348.2	7467.2	6193.1	6374.1	6872.8	6952.6	8132.7
42.5°	12251.4	12334.8	12393.3	12233.6	11131.6	9099.8	7335.9	7211.7	7644.7	7726.3	8991.6
45°	13104.9	13133.3	13369.3	13600.0	12902.6	10806.9	8624.2	8193.0	8604.7	8705.9	10020.8
47.5°	13653.2	13766.8	14182.1	14588.4	14391.4	12499.8	10008.4	9351.8	9717.3	9907.2	11174.2
50°	13694.1	13908.8	14480.2	15188.2	15475.7	14111.1	11513.2	10672.0	11060.7	11270.0	12405.7
52.5°	13014.4	13348.0	14233.5	15269.8	16061.3	15475.7	13069.4	11992.3	12490.9	12764.2	13683.4
55°	9978.2	10414.7	13305.4	14826.2	16084.4	16510.2	14584.9	13367.5	14084.5	14393.2	15064.0
57.5°	8693.4	8913.5	10460.9	14056.1	15656.7	16927.3	15954.8	14677.1	15818.2	16201.5	16368.3
60°	7233.0	7522.2	8773.3	12796.1	15076.4	16968.1	17165.0	16366.5	17697.4	18128.6	17564.3
62.5°	4915.5	5229.5	6473.5	10631.2	14283.2	16948.5	18157.0	18105.5	19786.0	20249.2	18577.6
65°	3045.1	3242.1	4061.9	8681.0	13174.1	16969.8	19195.1	20217.2	21990.0	22460.2	19361.9
67.5°	2406.3	2496.8	2924.4	6665.1	11263.0	16490.7	20231.4	22202.9	24064.4	24437.1	19601.5
70°	1616.6	1671.6	2127.7	4468.3	8379.3	14279.7	20211.9	23200.2	25132.7	25319.0	18728.4
72.5°	851.8	894.4	1243.9	2069.1	5061.0	10150.3	17037.3	22007.7	24069.7	23789.4	16008.0
75°	425.9	496.9	837.6	1050.5	2161.4	5660.8	10579.8	17351.4	18944.9	17858.9	10271.0
77.5°	323.0	390.4	692.1	692.1	752.4	1905.8	4480.7	9463.6	8728.9	7268.5	3014.9
80°	205.8	266.2	605.1	523.5	314.1	484.4	1167.6	2651.1	1854.4	1410.8	548.3
82.5°	120.7	173.9	504.0	346.0	175.7	179.2	330.1	564.3	480.9	374.4	168.6
85°	47.9	113.6	346.0	136.6	69.2	44.4	99.4	120.7	99.4	74.5	42.6
87.5°	0.0	26.6	60.3	0.0	5.3	3.5	7.1	8.9	8.9	7.1	14.2
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°	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1	4383.1
2.5°	4402.6	4406.2	4416.8	4418.6	4393.7	4361.8	4349.4	4344.1	4322.8	4321.0	4324.5
5°	4455.8	4471.8	4455.8	4409.7	4299.7	4145.3	4028.2	3932.4	3845.4	3818.8	3802.8
7.5°	4562.3	4578.3	4530.4	4349.4	4072.5	3765.6	3488.7	3293.5	3117.9	3052.2	3025.6
10°	4714.9	4736.2	4585.4	4219.8	3730.1	3236.7	2768.3	2438.2	2180.9	2076.2	2031.8
12.5°	4906.6	4915.5	4615.6	4022.9	3284.7	2580.2	1916.5	1563.4	1334.4	1249.3	1222.7
15°	5117.7	5105.3	4619.1	3754.9	2677.8	1824.2	1251.0	1027.5	935.2	906.8	906.8
17.5°	5339.6	5288.1	4548.1	3368.1	2012.3	1247.5	928.1	874.8	858.9	851.8	850.0
20°	5557.8	5442.5	4418.6	2862.3	1444.5	931.6	842.9	826.9	818.1	814.5	811.0
22.5°	5756.6	5559.6	4196.8	2274.9	1048.7	823.4	796.8	782.6	766.6	759.5	757.7
25°	5950.0	5627.0	3884.4	1726.6	839.4	770.1	748.9	722.2	700.9	692.1	688.5
27.5°	6138.1	5669.6	3494.1	1277.7	748.9	720.5	681.4	644.2	628.2	624.6	621.1
30°	6338.6	5683.8	3050.4	952.9	693.8	658.4	601.6	559.0	550.1	551.9	551.9
32.5°	6583.5	5705.1	2603.2	780.8	647.7	583.8	516.4	472.0	464.9	472.0	470.3
35°	6876.3	5747.7	2172.0	718.7	606.9	507.5	434.8	397.5	390.4	395.7	393.9
37.5°	7273.8	5816.9	1769.2	706.3	573.2	443.6	365.6	335.4	335.4	337.2	335.4
40°	7802.6	6001.5	1409.0	697.4	555.4	395.7	308.8	296.3	301.7	305.2	305.2
42.5°	8446.8	6393.6	1165.9	686.7	535.9	374.4	280.4	275.1	283.9	287.5	287.5
45°	9169.0	6890.5	1080.7	669.0	518.2	388.6	268.0	260.9	271.5	273.3	275.1
47.5°	9916.1	7376.7	1070.0	649.5	500.4	409.9	264.4	248.4	260.9	262.6	264.4
50°	10672.0	7694.4	1080.7	619.3	472.0	409.9	266.2	236.0	246.7	252.0	253.8
52.5°	11433.3	7839.9	1073.6	553.7	422.3	385.1	266.2	225.4	236.0	239.6	239.6
55°	12171.5	7811.5	965.3	456.1	358.5	340.7	259.1	216.5	223.6	225.4	225.4
57.5°	12755.3	7415.8	764.8	354.9	291.0	283.9	236.0	205.8	211.2	209.4	209.4
60°	13060.6	6546.2	546.6	273.3	228.9	223.6	207.6	191.6	195.2	186.3	184.6
62.5°	13064.1	5396.3	365.6	216.5	182.8	177.5	177.5	172.1	168.6	150.8	145.5
65°	12785.5	4120.5	243.1	172.1	147.3	138.4	149.1	147.3	134.9	110.0	106.5
67.5°	12153.8	2700.8	184.6	134.9	113.6	108.2	118.9	124.2	115.3	92.3	90.5
70°	10854.8	1572.2	152.6	104.7	85.2	79.9	95.8	106.5	95.8	74.5	71.0
72.5°	9016.4	848.2	124.2	78.1	58.6	53.2	76.3	87.0	76.3	55.0	53.2
75°	5850.6	454.3	95.8	51.5	30.2	33.7	56.8	63.9	53.2	35.5	31.9
77.5°	1964.4	200.5	60.3	24.8	14.2	14.2	33.7	39.0	24.8	12.4	10.6
80°	438.3	83.4	24.8	10.6	5.3	5.3	7.1	7.1	3.5	0.0	0.0
82.5°	143.7	33.7	10.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	55.0	12.4	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	21.3	1.8	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)