

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: P635847

Luminaire Tested: GWS-SA3E-750-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635847
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-750-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22454.4 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B4 - U0 - G4

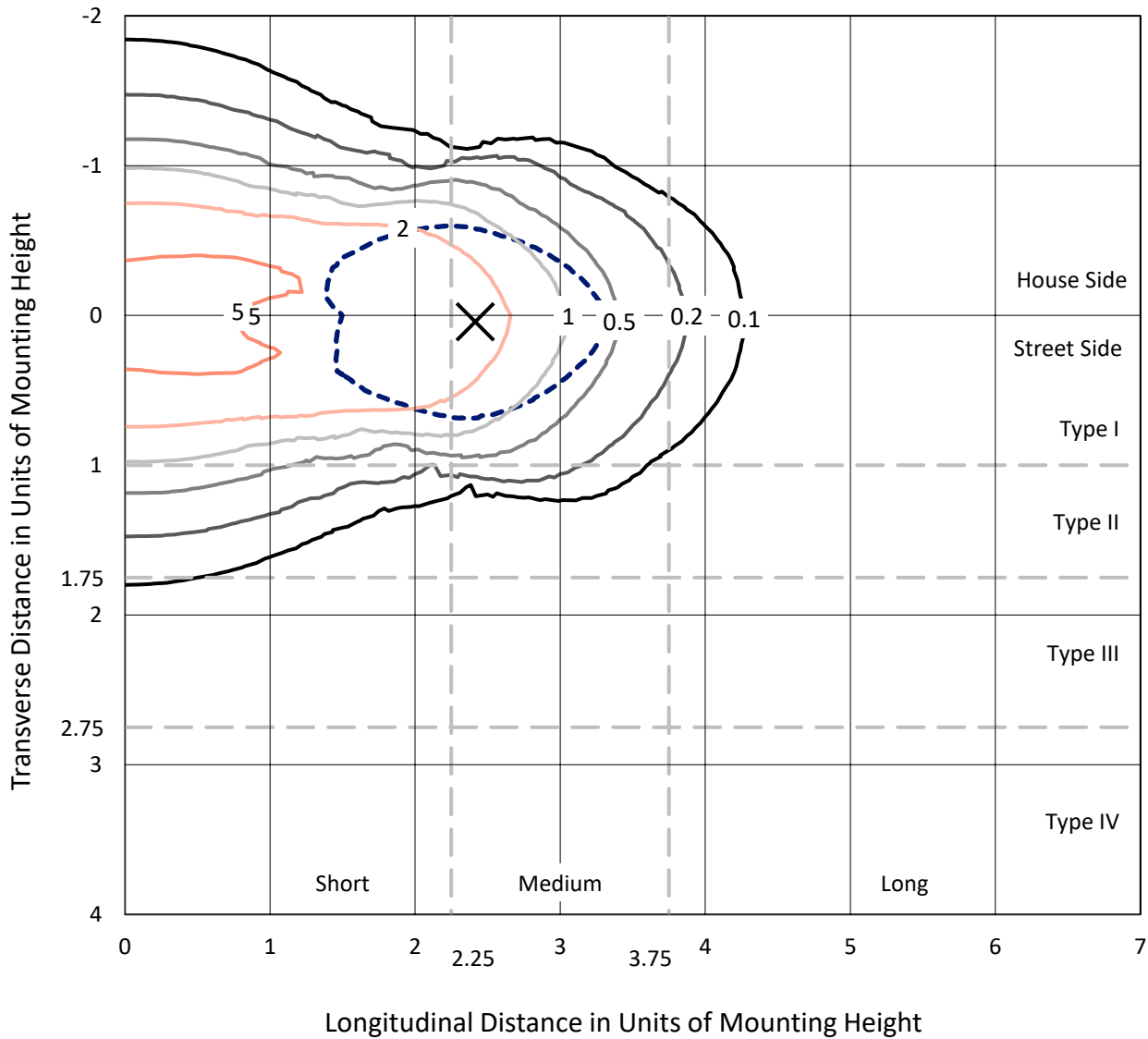
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

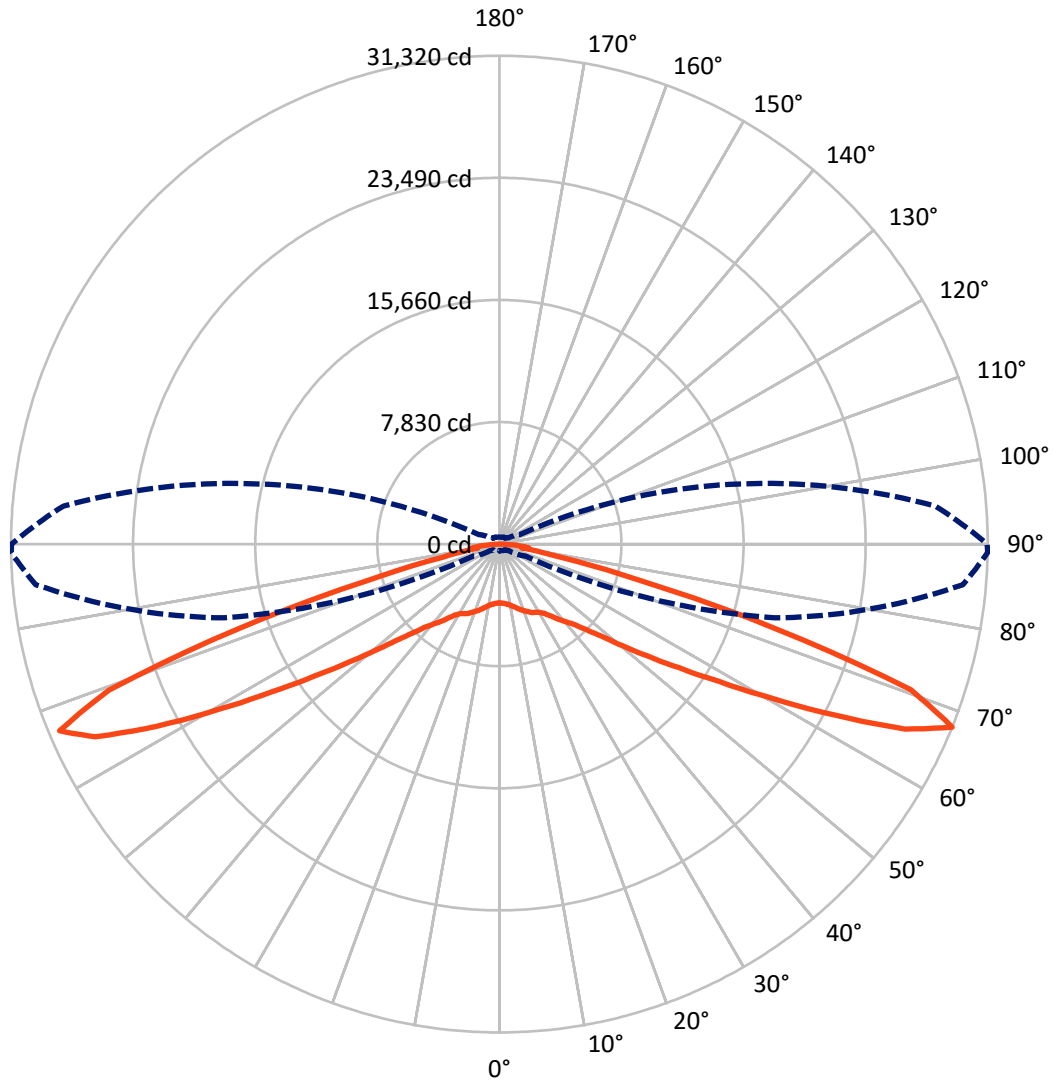
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11128.8	0.0	11128.8
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	11325.6	0.0	11325.6
	% Fixture	50.4	0.0	50.4
Total	Lumens	22454.4	0.0	22454.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.0	1.7
10°-20°	1231.0	5.5
20°-30°	2080.9	9.3
30°-40°	2855.7	12.7
40°-50°	3641.7	16.2
50°-60°	4569.0	20.3
60°-70°	5510.6	24.5
70°-80°	1993.6	8.9
80°-90°	193.9	0.9
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°	22454.4	100.0
0°-180°	22454.4	100.0

Coefficient of Utilization



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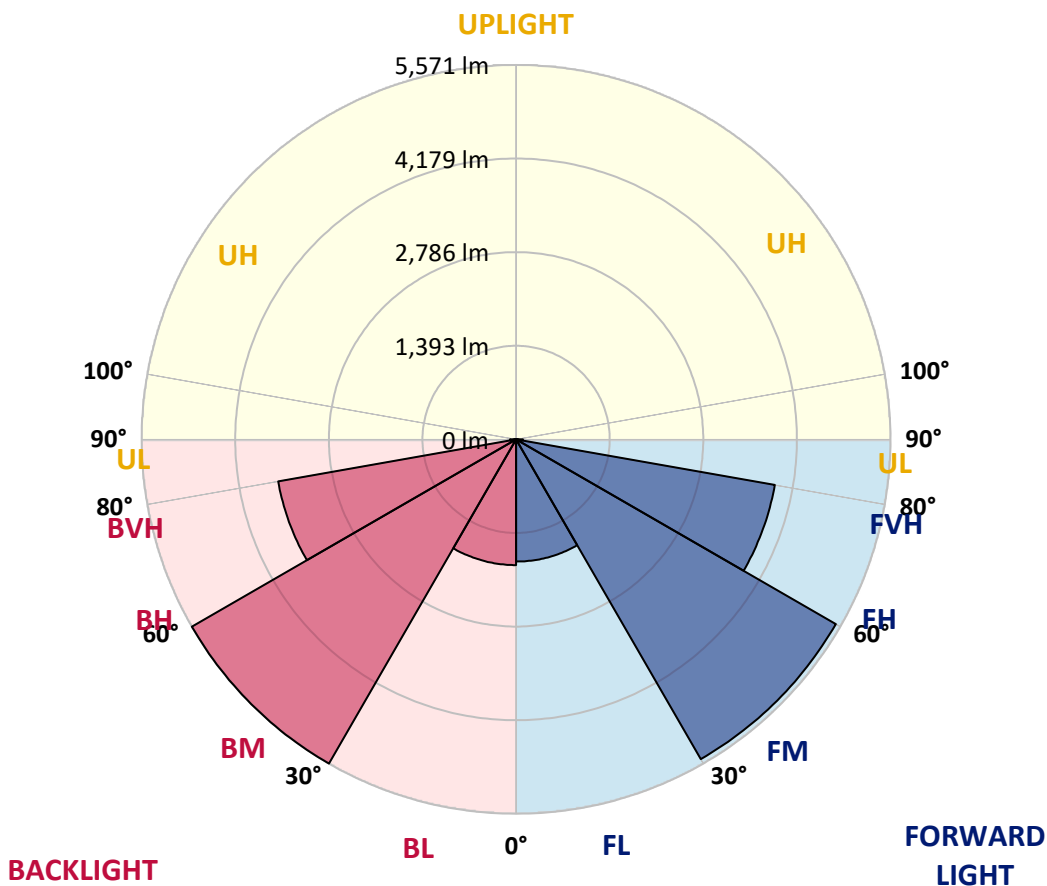
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1818.6	8.1			
FM (30°-60°)	5495.0	24.5			
FH (60°-80°)	3909.6	17.4			G2/5000
FVH (80°-90°)	102.3	0.5			G2/225
BL (0°-30°)	1871.2	8.3	B3/2500		
BM (30°-60°)	5571.4	24.8	B4/8500		
BH (60°-80°)	3594.6	16.0	B4/5000		G4/5000
BVH (80°-90°)	91.6	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	3768.8	3768.8	3768.8	3768.8	3768.8	3768.8	3768.8	3768.8	3768.8	3768.8	3768.8
2.5°	3780.1	3776.9	3768.8	3793.0	3788.1	3789.8	3799.4	3793.0	3781.7	3762.3	3789.8
5°	3886.5	3884.9	3867.2	3881.7	3865.5	3854.3	3852.6	3836.5	3823.6	3802.7	3831.7
7.5°	3989.7	3988.1	3973.6	3999.4	3986.5	3973.6	3959.1	3926.8	3896.2	3865.5	3897.8
10°	4068.7	4067.1	4063.9	4101.0	4104.2	4109.1	4102.6	4047.8	3994.6	3957.5	3989.7
12.5°	4113.9	4118.7	4126.8	4194.5	4228.4	4260.7	4268.7	4223.6	4134.9	4081.6	4120.4
15°	4083.3	4092.9	4133.3	4255.8	4349.3	4421.9	4452.6	4415.5	4301.0	4212.3	4255.8
17.5°	3936.5	3944.6	4023.6	4210.7	4417.1	4584.8	4634.8	4612.2	4484.8	4376.8	4418.7
20°	3733.3	3751.1	3836.5	4097.8	4405.8	4697.7	4831.5	4823.5	4684.8	4518.7	4568.7
22.5°	3549.5	3570.4	3660.7	3949.4	4330.0	4726.7	5029.9	5050.9	4867.0	4660.6	4700.9
25°	3343.0	3362.4	3478.5	3773.6	4199.4	4704.1	5199.2	5294.4	5073.4	4823.5	4860.6
27.5°	3131.8	3146.3	3260.8	3575.3	4028.4	4662.2	5333.1	5562.1	5276.6	4936.4	4962.2
30°	2946.3	2965.7	3070.5	3376.9	3841.4	4578.3	5442.7	5847.5	5510.5	5063.8	5084.7
32.5°	2767.3	2783.5	2898.0	3181.8	3643.0	4449.3	5541.1	6182.9	5857.2	5300.8	5300.8
35°	2541.6	2570.6	2699.6	2994.7	3455.9	4278.4	5612.1	6573.2	6331.3	5650.8	5652.4
37.5°	2333.5	2349.6	2485.1	2783.5	3259.2	4084.9	5618.5	6978.0	6931.2	6095.9	6099.1
40°	2096.5	2117.4	2262.6	2557.7	3033.4	3881.7	5557.2	7355.3	7560.2	6553.9	6536.1
42.5°	1856.2	1886.8	2025.5	2314.2	2789.9	3633.3	5394.4	7715.0	8358.4	7084.4	7040.9
45°	1624.0	1643.3	1782.0	2054.5	2510.9	3336.6	5133.1	8060.1	9306.7	7890.8	7827.9
47.5°	1362.7	1370.8	1514.3	1775.5	2222.2	3006.0	4759.0	8368.1	10348.4	8958.3	8850.3
50°	1130.5	1141.8	1254.7	1478.8	1869.1	2614.1	4292.9	8548.7	11675.7	10414.6	10227.5
52.5°	914.4	925.7	1016.0	1195.0	1544.9	2167.4	3715.6	8506.8	13022.2	12222.4	11949.8
55°	738.6	746.7	807.9	948.2	1215.9	1723.9	3033.4	8131.0	14517.2	14583.3	13996.3
57.5°	624.1	627.3	669.3	754.7	949.9	1328.8	2341.6	7244.1	16084.7	17595.8	16631.4
60°	558.0	559.6	578.9	632.2	749.9	1014.4	1715.9	5831.4	17708.6	21364.5	20042.2
62.5°	516.1	516.1	532.2	562.8	622.5	780.5	1261.1	4188.1	18874.6	25465.5	24151.2
65°	475.7	475.7	487.0	512.8	545.1	637.0	946.6	2701.2	19447.1	28894.1	28602.2
67.5°	424.1	425.7	433.8	461.2	490.2	532.2	717.6	1827.1	18258.6	29842.3	31319.5
70°	375.8	377.4	388.7	406.4	430.6	459.6	561.2	1259.5	13289.9	24854.3	28003.9
72.5°	322.5	329.0	337.0	356.4	370.9	391.9	458.0	816.0	7732.7	15987.9	18511.7
75°	264.5	272.5	282.2	301.6	311.2	319.3	377.4	582.2	3720.4	8102.0	9226.0
77.5°	204.8	212.9	224.2	241.9	248.3	258.0	288.7	420.9	1782.0	3591.4	3872.0
80°	137.1	140.3	150.0	170.9	182.2	188.7	212.9	287.1	774.1	1441.7	1428.8
82.5°	83.9	85.5	88.7	101.6	106.4	112.9	138.7	175.8	369.3	1638.5	1878.8
85°	30.6	29.0	27.4	35.5	41.9	48.4	64.5	88.7	161.3	1125.6	1259.5
87.5°	0.0	0.0	0.0	1.6	3.2	3.2	6.5	12.9	38.7	420.9	288.7
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°	3768.8	3768.8	3768.8	3768.8	3768.8	3768.8	3768.8	3768.8	3768.8	3768.8	3768.8
2.5°	3781.7	3764.0	3786.5	3802.7	3838.1	3851.0	3854.3	3843.0	3843.0	3823.6	3826.8
5°	3825.2	3813.9	3851.0	3878.5	3930.1	3949.4	3962.3	3954.2	3959.1	3946.2	3949.4
7.5°	3891.4	3881.7	3946.2	3999.4	4052.6	4075.2	4086.5	4080.0	4081.6	4065.5	4070.4
10°	3983.3	3986.5	4063.9	4133.3	4204.2	4226.8	4231.6	4212.3	4196.1	4167.1	4168.7
12.5°	4109.1	4125.2	4234.8	4312.3	4384.8	4417.1	4381.6	4310.6	4244.5	4194.5	4188.1
15°	4246.1	4275.2	4433.2	4531.6	4610.6	4594.5	4489.6	4330.0	4199.4	4125.2	4110.7
17.5°	4410.6	4454.2	4652.5	4770.3	4838.0	4734.8	4515.5	4276.8	4094.5	3994.6	3975.2
20°	4565.4	4634.8	4884.8	5038.0	5046.0	4813.8	4504.2	4168.7	3939.7	3817.2	3791.4
22.5°	4707.4	4796.1	5128.3	5323.4	5218.6	4849.3	4434.8	4015.5	3752.7	3609.1	3586.6
25°	4862.2	4988.0	5412.1	5594.3	5391.1	4834.8	4289.7	3825.2	3526.9	3380.1	3364.0
27.5°	4968.6	5126.7	5697.5	5871.7	5533.0	4752.5	4102.6	3617.2	3320.5	3181.8	3159.2
30°	5091.2	5292.8	6012.0	6173.3	5620.1	4631.6	3902.6	3423.7	3128.6	2978.6	2962.5
32.5°	5313.7	5566.9	6402.3	6492.6	5647.5	4481.6	3710.7	3236.6	2928.6	2778.6	2756.0
35°	5671.7	5968.5	6950.6	6849.0	5626.6	4317.1	3528.5	3017.3	2723.8	2583.5	2560.9
37.5°	6123.3	6492.6	7561.8	7169.9	5568.5	4136.5	3312.4	2833.4	2539.9	2398.0	2385.1
40°	6544.2	6999.0	8247.2	7447.3	5450.8	3913.9	3104.4	2641.5	2341.6	2191.6	2162.6
42.5°	7071.5	7676.3	9040.6	7687.6	5257.3	3647.8	2870.5	2404.5	2093.2	1957.8	1922.3
45°	7873.0	8624.5	9963.0	7918.2	4968.6	3320.5	2577.0	2115.8	1820.7	1682.0	1654.6
47.5°	8872.9	9809.8	10962.9	8055.2	4530.0	2975.4	2244.8	1811.0	1515.9	1359.5	1346.6
50°	10277.5	11533.8	12035.3	8031.1	4039.7	2565.7	1870.7	1448.2	1201.4	1088.5	1070.8
52.5°	11988.5	13697.9	13194.8	7740.8	3518.8	2099.7	1457.8	1136.9	953.1	872.4	857.9
55°	14135.0	16289.5	14415.6	7118.3	2860.9	1607.8	1145.0	896.6	770.9	722.5	716.0
57.5°	16792.6	19645.4	15591.2	6070.1	2151.3	1227.2	882.1	740.2	680.5	651.5	649.9
60°	20300.2	23207.8	16612.0	4717.0	1540.1	938.6	728.9	661.2	614.4	595.1	593.5
62.5°	24470.5	26442.8	17247.4	3212.4	1157.9	748.3	641.8	599.9	572.5	561.2	559.6
65°	28757.0	28487.7	16944.2	2104.5	878.9	635.4	575.7	553.1	529.0	517.7	517.7
67.5°	31288.9	28055.5	14617.2	1461.1	696.7	558.0	519.3	498.3	458.0	448.3	448.3
70°	27713.6	22733.7	9580.8	1069.2	564.4	488.6	451.5	422.5	406.4	396.7	395.1
72.5°	18329.5	14792.9	5094.4	741.8	470.9	416.1	382.2	370.9	351.6	341.9	340.3
75°	9122.8	7769.8	2610.9	535.4	391.9	333.8	319.3	314.5	298.3	285.4	282.2
77.5°	3802.7	3459.2	1217.6	388.7	298.3	269.3	256.4	256.4	238.7	224.2	217.7
80°	1433.7	1277.2	575.7	266.1	220.9	200.0	191.9	185.5	170.9	153.2	143.5
82.5°	1917.5	1253.0	282.2	166.1	145.1	129.0	117.7	112.9	104.8	96.8	90.3
85°	1241.7	890.2	127.4	85.5	72.6	54.8	48.4	45.2	40.3	35.5	32.3
87.5°	253.2	298.3	38.7	16.1	9.7	4.8	4.8	1.6	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)