

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: STREETWORKS

Report Number: P652777

Luminaire Tested: **GLAN-SA3C-840-U-SL4-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P652777  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3C-840-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14519 lumens  
Efficiency: N/A  
Efficacy: 90.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

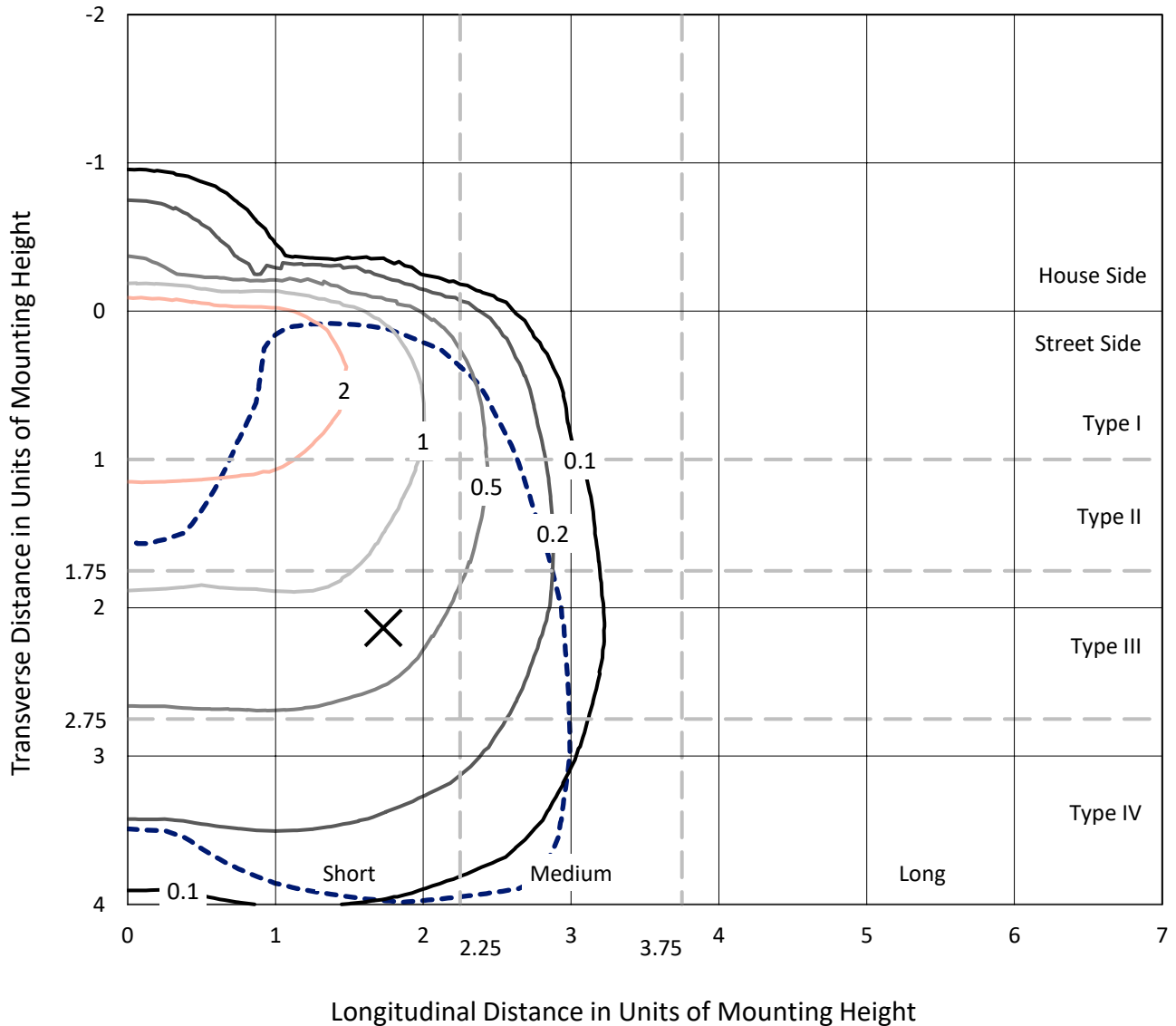
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

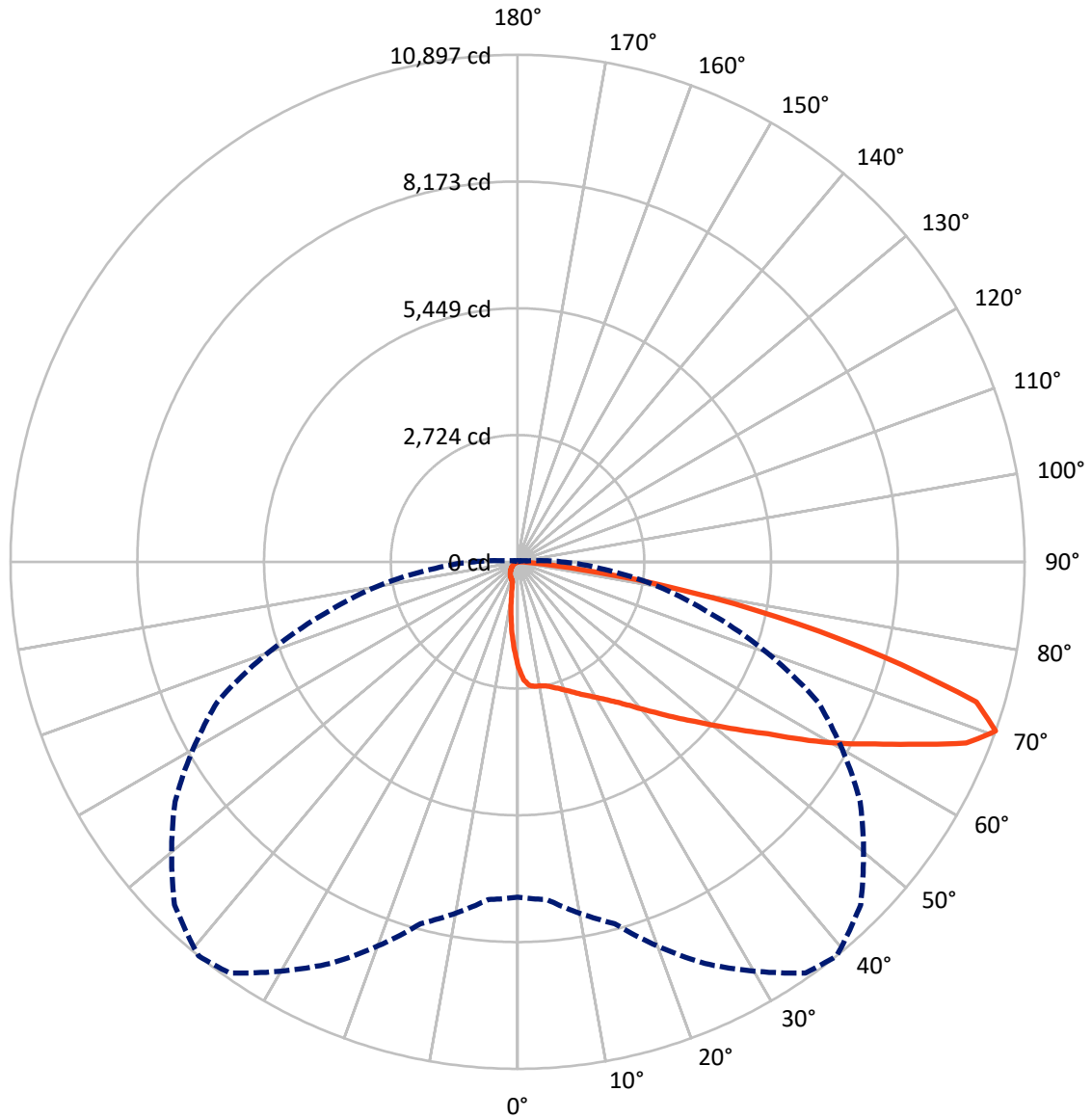
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	946.7	0.0	946.7
	% Fixture	6.5	0.0	6.5
<b>Street Side</b>	Lumens	13572.3	0.0	13572.3
	% Fixture	93.5	0.0	93.5
<b>Total</b>	Lumens	14519.0	0.0	14519.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	193.2	1.3
10°-20°	502.1	3.5
20°-30°	841.2	5.8
30°-40°	1304.7	9.0
40°-50°	2067.5	14.2
50°-60°	3030.6	20.9
60°-70°	3884.5	26.8
70°-80°	2440.9	16.8
80°-90°	254.3	1.8
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°	14519.0	100.0
0°-180°	14519.0	100.0

**Coefficient of Utilization**



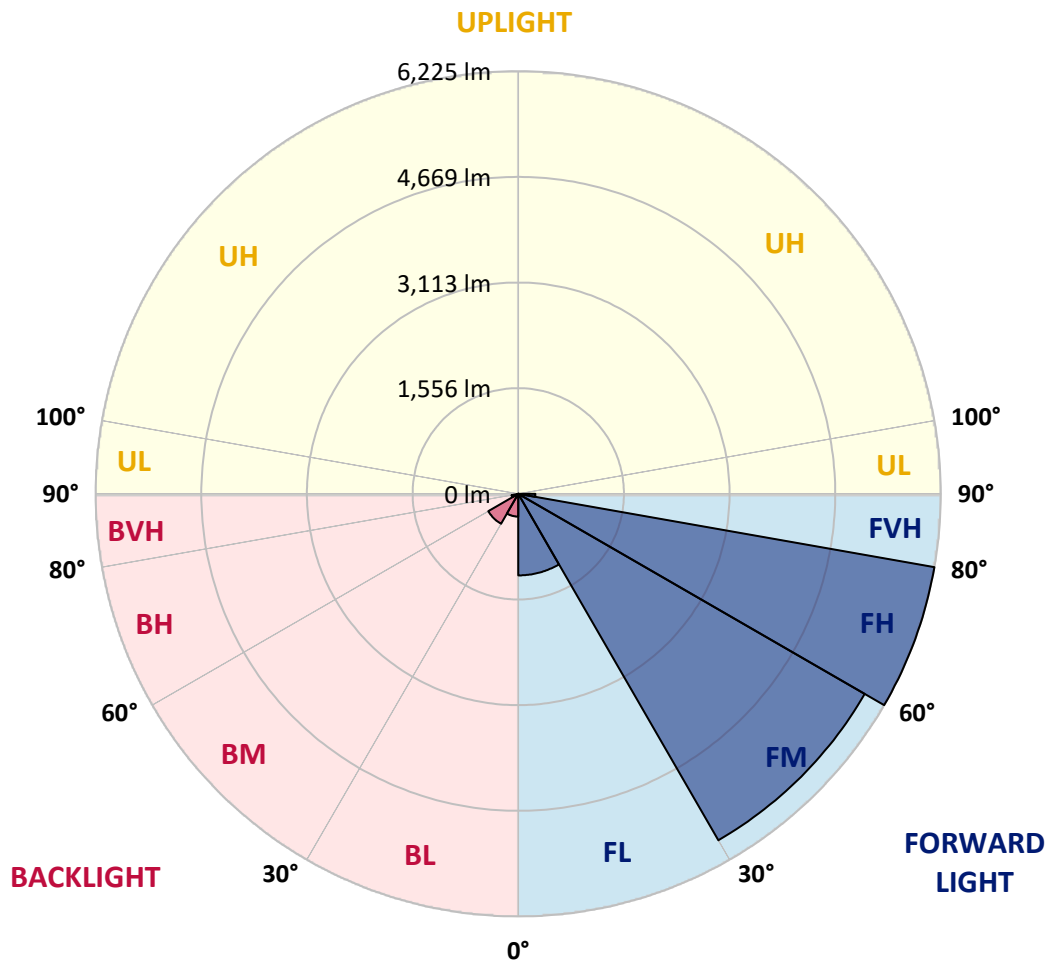
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1201.4	8.3			
FM (30°-60°)	5893.2	40.6			
FH (60°-80°)	6225.3	42.9			G3/7500
FVH (80°-90°)	252.4	1.7			G3/500
BL (0°-30°)	335.2	2.3	B1/500		
BM (30°-60°)	509.5	3.5	B1/1000		
BH (60°-80°)	100.1	0.7	B0/110		G0/110
BVH (80°-90°)	1.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	2265.5	2265.5	2265.5	2265.5	2265.5	2265.5	2265.5	2265.5	2265.5	2265.5	2265.5
2.5°	2617.7	2608.9	2597.2	2583.6	2544.5	2537.6	2514.3	2464.5	2405.0	2356.2	2288.9
5°	2741.6	2746.5	2737.7	2713.3	2685.0	2668.4	2639.1	2562.0	2485.0	2386.4	2276.2
7.5°	2769.9	2779.7	2768.9	2745.5	2718.2	2700.6	2677.2	2610.9	2521.1	2408.9	2257.7
10°	2767.0	2778.7	2771.9	2750.4	2728.0	2711.3	2686.0	2633.3	2561.1	2443.0	2263.6
12.5°	2762.1	2777.7	2776.7	2766.0	2747.5	2734.8	2719.1	2672.3	2605.0	2492.8	2295.7
15°	2748.4	2767.9	2785.5	2794.3	2795.2	2795.2	2775.7	2725.9	2661.6	2558.2	2337.6
17.5°	2754.3	2776.7	2820.6	2845.9	2863.5	2861.6	2841.1	2787.4	2716.2	2625.5	2381.5
20°	2790.4	2820.6	2882.1	2932.8	2950.4	2944.5	2917.2	2854.8	2773.8	2683.0	2424.5
22.5°	2879.2	2906.5	2983.5	3043.1	3055.8	3040.1	3001.1	2916.3	2843.1	2745.5	2476.2
25°	3011.9	3044.0	3115.2	3160.1	3160.1	3151.4	3096.7	2997.2	2921.1	2832.3	2543.5
27.5°	3172.8	3200.2	3270.4	3310.4	3287.0	3261.6	3207.0	3087.0	3013.8	2941.6	2624.5
30°	3335.7	3353.3	3427.5	3445.0	3420.6	3388.5	3329.9	3209.9	3145.5	3089.9	2741.6
32.5°	3489.9	3528.0	3589.4	3585.5	3552.4	3536.7	3483.1	3355.3	3319.2	3313.3	2905.5
35°	3644.1	3673.3	3728.0	3741.6	3712.3	3709.4	3670.4	3575.8	3576.8	3614.8	3161.2
37.5°	3776.8	3803.1	3867.5	3897.7	3903.6	3918.2	3902.6	3840.2	3929.0	4033.4	3499.7
40°	3887.9	3925.0	4007.0	4059.7	4120.1	4173.9	4176.7	4190.5	4369.0	4548.5	3941.6
42.5°	3974.8	4026.5	4145.5	4243.1	4381.7	4450.0	4504.6	4579.7	4880.2	5148.5	4462.6
45°	4088.0	4147.5	4295.8	4449.0	4665.5	4777.8	4853.8	5054.8	5481.2	5847.1	4997.3
47.5°	4275.3	4306.5	4457.7	4681.2	4966.1	5126.1	5274.4	5578.8	6126.1	6453.9	5442.2
50°	4516.3	4536.8	4650.9	4961.2	5330.0	5540.8	5811.0	6169.1	6795.4	6957.3	5693.9
52.5°	4782.7	4789.5	4875.4	5269.5	5737.8	6003.2	6305.6	6747.6	7340.8	7316.4	5860.8
55°	5091.9	5082.2	5155.3	5604.2	6220.8	6524.2	6876.4	7339.8	7814.0	7571.1	5956.4
57.5°	5446.1	5419.7	5491.0	6048.1	6839.3	7202.2	7560.3	7851.1	8180.8	7784.7	6002.2
60°	5816.9	5764.1	5849.1	6546.6	7568.2	7912.5	8210.1	8288.1	8567.2	7954.5	5923.2
62.5°	6112.5	6113.5	6271.5	7077.4	8317.4	8618.9	8777.0	8847.2	8899.9	7917.4	5507.5
65°	6573.9	6589.6	6842.3	7814.0	9184.8	9446.3	9554.6	9326.3	8914.5	7456.9	4883.2
67.5°	7050.1	7099.8	7562.3	8828.6	10186.8	10397.5	10258.0	9418.9	8516.5	6406.1	3702.6
70°	7205.2	7287.2	8049.1	9527.3	10787.8	10897.1	10424.9	8986.8	7119.3	4283.1	1863.5
72.5°	6602.3	6734.9	7769.2	9272.6	10404.3	10309.7	9327.3	7537.0	4526.1	1626.4	568.8
75°	4655.8	4714.4	6456.9	7692.0	8368.2	8099.8	7094.9	4858.7	1861.6	456.6	195.1
77.5°	2404.0	2375.7	3840.2	5103.6	5968.1	5690.0	4646.0	2515.3	705.4	190.2	121.0
80°	1243.0	1263.4	1661.6	2674.3	3643.1	3352.3	2477.2	1165.9	375.6	105.4	92.7
82.5°	696.6	653.7	955.1	1167.9	1703.5	1335.7	950.2	825.4	163.9	63.4	87.8
85°	126.8	132.7	523.9	631.3	591.2	375.6	306.4	551.3	47.8	35.2	61.5
87.5°	1.9	1.9	101.5	181.5	115.1	52.6	96.6	79.1	9.8	13.6	10.8
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°	2265.5	2265.5	2265.5	2265.5	2265.5	2265.5	2265.5	2265.5	2265.5	2265.5	2265.5
2.5°	2254.7	2217.6	2148.4	2080.1	1993.3	1922.0	1874.3	1824.5	1773.8	1777.6	1789.3
5°	2215.7	2151.3	2014.7	1870.3	1731.8	1606.9	1483.9	1373.7	1328.9	1287.8	1289.8
7.5°	2176.7	2085.9	1885.9	1659.5	1449.8	1237.1	1083.0	956.1	888.9	838.1	823.4
10°	2159.1	2039.1	1767.9	1456.6	1159.1	926.9	728.8	625.4	545.4	520.0	526.9
12.5°	2166.9	2015.7	1661.6	1273.2	919.0	645.9	507.4	454.6	437.1	434.1	432.2
15°	2181.6	1999.1	1557.1	1070.3	675.2	480.0	426.4	416.6	414.6	412.7	413.7
17.5°	2201.1	1984.5	1445.9	880.0	518.1	419.5	403.9	399.1	398.0	398.0	398.0
20°	2220.6	1967.9	1322.0	710.3	432.2	396.1	386.4	383.4	382.5	382.5	381.5
22.5°	2243.0	1953.2	1196.2	558.1	398.0	379.5	370.7	368.8	367.9	366.8	366.8
25°	2275.2	1934.7	1062.5	456.6	376.6	363.9	355.2	353.2	352.2	348.3	349.3
27.5°	2318.1	1921.1	924.9	394.2	357.1	344.4	338.6	335.6	333.7	330.8	331.7
30°	2376.7	1909.3	778.6	360.0	334.6	324.0	318.1	316.1	314.2	311.3	311.3
32.5°	2478.2	1914.2	624.4	332.7	314.2	301.5	295.6	293.7	291.7	288.8	288.8
35°	2630.4	1942.5	499.6	309.3	289.8	277.1	271.2	271.2	268.3	264.4	263.4
37.5°	2879.2	2014.7	401.0	286.9	266.3	254.7	247.8	245.8	243.0	237.1	236.1
40°	3172.8	2126.9	337.6	264.4	244.9	233.2	227.3	221.4	213.7	207.8	206.8
42.5°	3541.6	2242.0	292.7	242.0	224.4	213.7	206.8	197.0	185.4	177.5	176.6
45°	3926.0	2347.4	262.5	221.4	204.9	196.1	188.3	172.7	158.0	148.3	147.3
47.5°	4212.9	2366.9	238.1	201.9	188.3	179.6	168.8	149.3	129.8	121.0	118.1
50°	4348.5	2272.3	212.7	182.4	171.7	162.0	148.3	125.9	104.4	93.7	91.8
52.5°	4396.3	2108.4	192.2	164.9	155.2	143.4	126.8	101.5	81.9	71.2	70.2
55°	4376.8	1901.6	173.7	148.3	135.7	121.9	105.4	81.0	60.5	51.7	49.8
57.5°	4274.3	1638.1	155.2	131.7	116.1	102.4	83.9	60.5	41.0	33.1	32.2
60°	3998.2	1279.1	136.6	113.2	98.6	83.9	66.4	42.9	25.4	18.5	18.5
62.5°	3531.9	949.3	119.0	94.6	82.9	67.3	46.8	27.3	13.6	9.8	8.7
65°	2951.3	700.6	99.5	80.0	69.3	52.6	33.1	16.6	6.8	2.9	1.9
67.5°	2059.6	432.2	82.9	65.3	56.6	38.0	20.5	6.8	2.9	0.0	0.0
70°	935.6	205.9	63.4	49.8	42.9	27.3	10.8	3.9	1.9	0.0	0.0
72.5°	290.7	108.3	44.9	36.1	29.3	17.6	5.9	2.9	1.9	0.0	0.0
75°	134.6	69.3	28.3	19.5	16.6	8.7	3.9	1.9	1.0	0.0	0.0
77.5°	100.5	53.7	16.6	10.8	8.7	5.9	2.9	1.9	1.0	0.0	0.0
80°	87.8	27.3	9.8	6.8	4.9	3.9	1.9	1.0	0.0	0.0	0.0
82.5°	79.1	13.6	5.9	3.9	2.9	1.9	1.0	1.0	0.0	0.0	0.0
85°	42.9	7.8	3.9	2.9	1.9	1.0	1.0	0.0	0.0	0.0	0.0
87.5°	7.8	3.9	2.9	1.9	1.9	1.0	1.0	1.0	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)