

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: P323196

Luminaire Tested: **GAN-SA2B-740-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323196
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2B-740-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9684 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

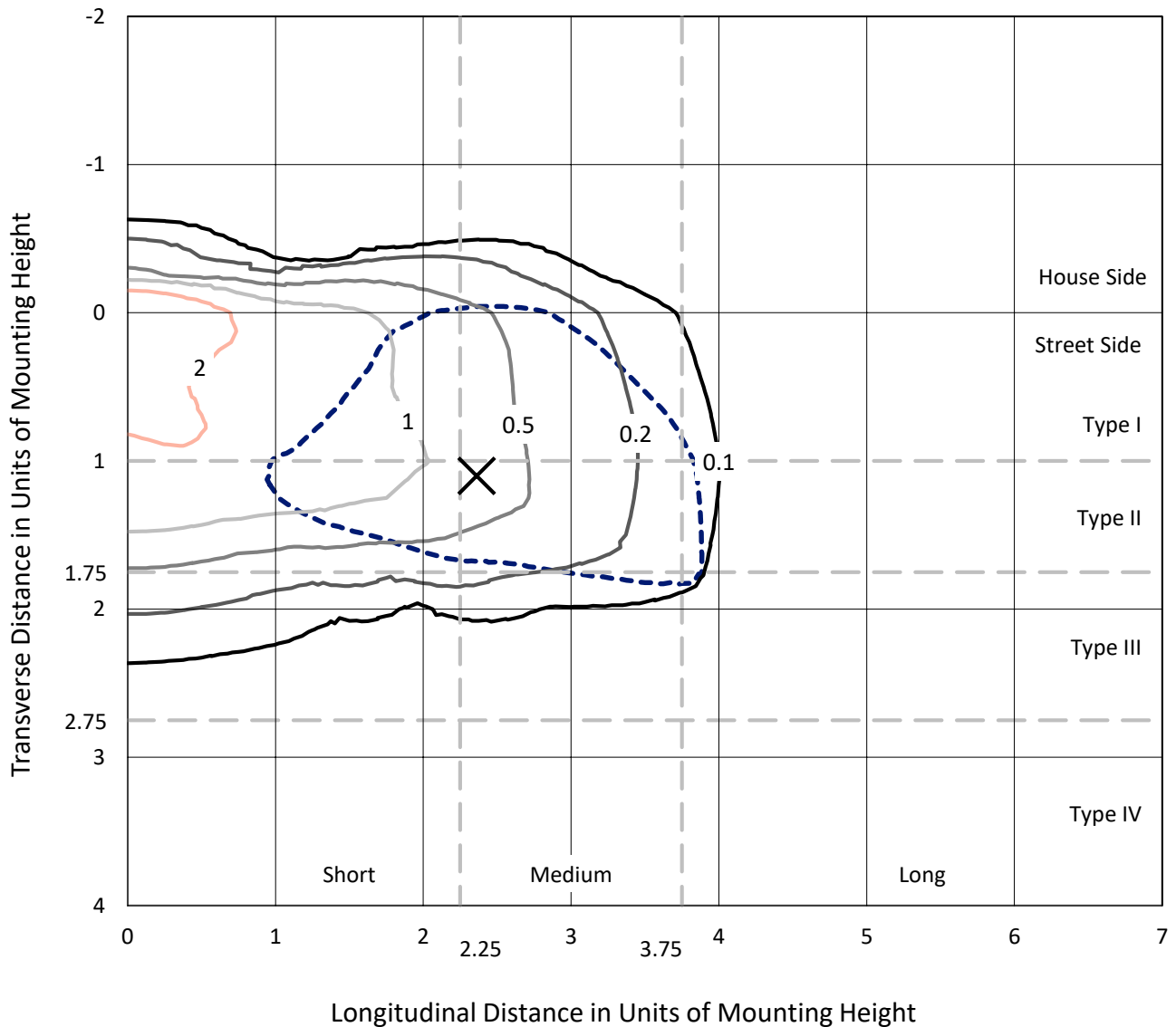
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

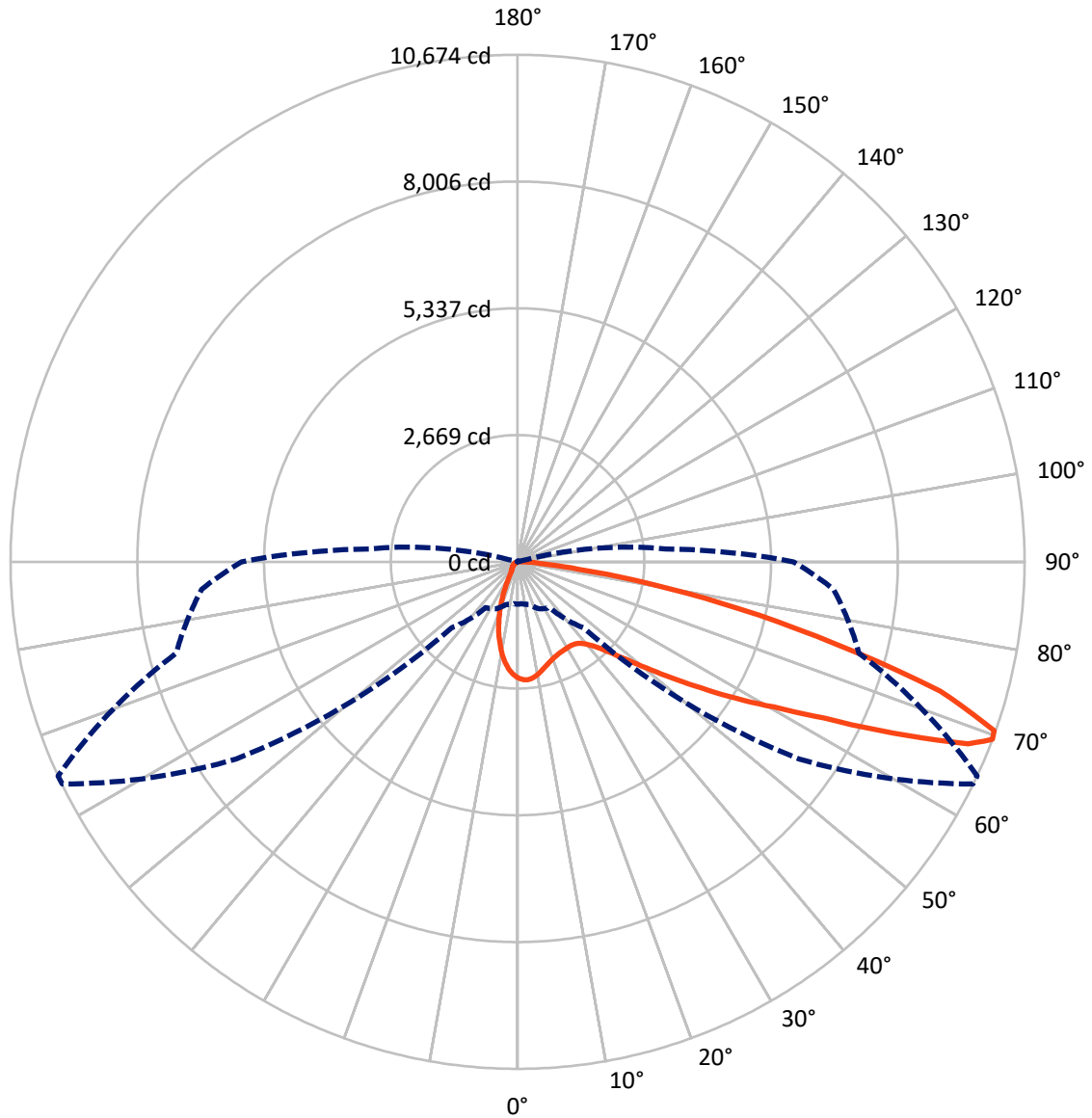
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1141.5	0.0	1141.5
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	8542.5	0.0	8542.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	9684.0	0.0	9684.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.6	2.1
10°-20°	448.0	4.6
20°-30°	620.4	6.4
30°-40°	865.1	8.9
40°-50°	1344.6	13.9
50°-60°	2158.6	22.3
60°-70°	2441.8	25.2
70°-80°	1434.1	14.8
80°-90°	166.8	1.7
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°	9684.0	100.0
0°-180°	9684.0	100.0

Coefficient of Utilization

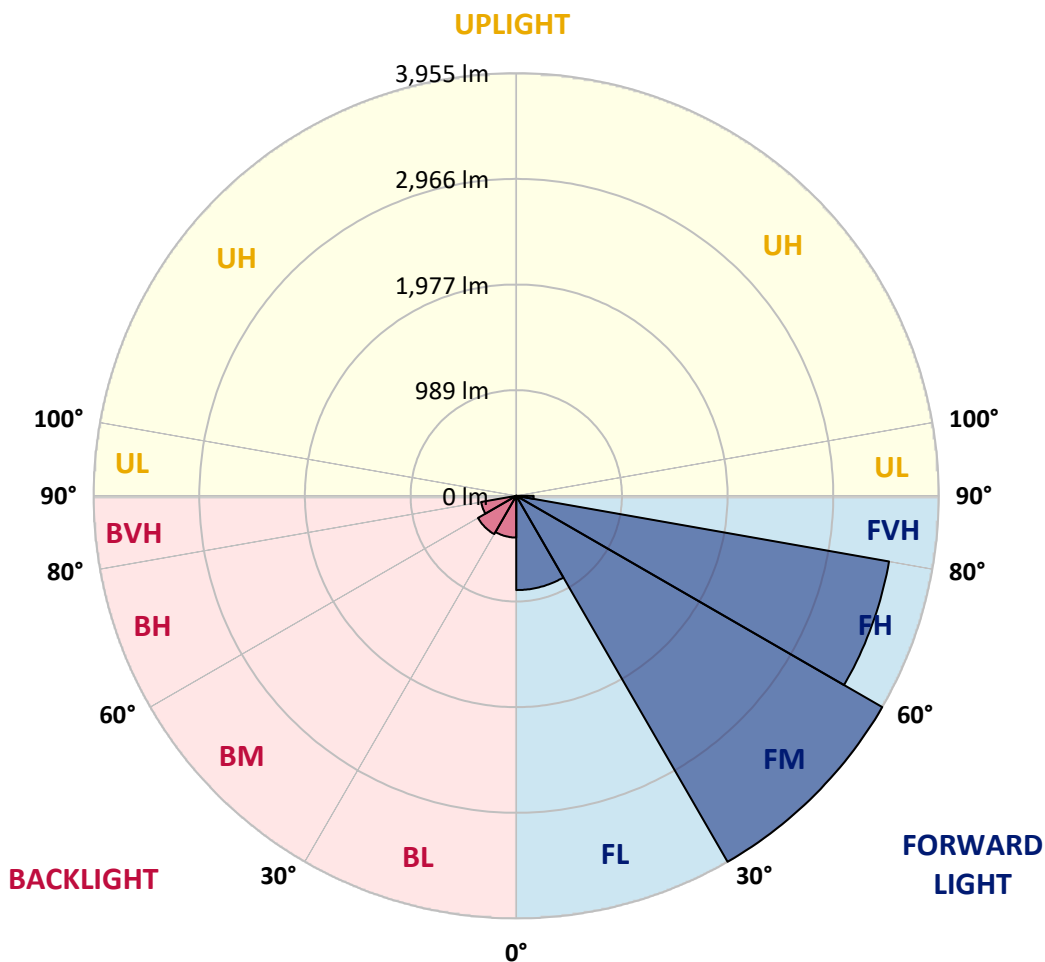


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	882.4	9.1			
FM (30°-60°)	3954.7	40.8			
FH (60°-80°)	3542.3	36.6			G2/5000
FVH (80°-90°)	163.1	1.7			G2/225
BL (0°-30°)	390.6	4.0	B1/500		
BM (30°-60°)	413.7	4.3	B1/1000		
BH (60°-80°)	333.5	3.4	B1/500		G1/500
BVH (80°-90°)	3.7	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-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	2447.2	2447.2	2447.2	2447.2	2447.2	2447.2	2447.2	2447.2	2447.2	2447.2	2447.2
2.5°	2468.9	2462.7	2467.7	2478.3	2483.6	2483.6	2487.7	2482.8	2484.5	2472.6	2455.4
5°	2314.4	2305.0	2318.5	2348.4	2385.3	2416.8	2463.6	2488.1	2490.6	2491.0	2470.9
7.5°	2148.0	2139.4	2159.5	2194.7	2242.3	2300.9	2382.4	2453.7	2457.8	2496.3	2481.6
10°	2012.8	2006.7	2030.0	2067.7	2123.4	2189.0	2289.0	2388.2	2400.0	2485.3	2479.9
12.5°	1905.4	1900.5	1922.7	1966.1	2023.0	2095.6	2200.1	2315.2	2331.2	2460.3	2471.8
15°	1827.2	1826.4	1844.8	1886.6	1949.7	2017.3	2124.3	2247.6	2266.0	2433.2	2470.5
17.5°	1786.2	1787.4	1801.0	1836.6	1890.7	1957.9	2060.3	2190.6	2210.7	2409.1	2476.7
20°	1782.1	1783.3	1790.7	1810.8	1854.6	1914.0	2008.3	2142.7	2163.6	2391.0	2486.5
22.5°	1818.2	1817.3	1819.4	1817.3	1841.9	1887.0	1973.9	2105.8	2130.0	2379.1	2494.3
25°	1887.4	1886.2	1885.4	1870.2	1853.8	1878.0	1959.5	2084.9	2107.9	2370.5	2498.8
27.5°	1983.7	1982.9	1981.7	1956.7	1907.5	1892.3	1961.2	2077.1	2096.4	2363.6	2498.0
30°	2110.3	2116.1	2114.4	2079.6	2003.0	1936.2	1978.4	2073.0	2089.8	2350.0	2489.4
32.5°	2259.1	2270.6	2279.6	2242.3	2146.4	2023.0	2018.1	2077.5	2089.8	2339.8	2473.8
35°	2413.6	2428.3	2461.5	2448.4	2322.2	2153.8	2086.6	2104.6	2114.8	2345.5	2466.4
37.5°	2565.6	2583.2	2655.3	2693.4	2552.5	2326.7	2193.1	2171.4	2176.7	2380.4	2474.6
40°	2742.2	2768.8	2878.2	2939.7	2827.4	2558.2	2352.5	2286.1	2288.2	2457.0	2512.7
42.5°	2974.1	3001.6	3120.0	3216.3	3137.2	2850.8	2568.9	2461.5	2459.5	2600.4	2602.5
45°	3256.9	3285.6	3408.1	3515.0	3479.4	3197.5	2845.9	2717.6	2715.2	2826.6	2772.5
47.5°	3577.3	3605.6	3715.0	3825.2	3863.7	3602.3	3198.7	3067.2	3061.4	3140.9	3035.2
50°	3852.3	3870.7	3971.5	4119.9	4293.6	4099.8	3637.6	3510.9	3504.8	3558.5	3420.8
52.5°	3952.3	3962.9	4065.4	4273.1	4706.7	4773.4	4214.1	4051.0	4046.5	4069.9	3934.2
55°	3749.8	3769.1	3894.9	4203.0	4930.4	5534.8	4941.9	4719.8	4685.8	4635.4	4471.0
57.5°	3198.3	3229.0	3364.2	3774.0	4825.9	6138.8	6011.4	5476.2	5426.2	5118.1	4907.4
60°	2396.4	2434.1	2546.3	2988.5	4268.2	6353.9	7180.0	6319.1	6206.4	5502.4	5308.6
62.5°	1644.4	1663.3	1739.5	2027.6	3143.4	6001.5	8157.8	7448.0	7242.3	5920.4	5742.6
65°	1256.0	1262.5	1293.7	1392.8	1871.8	4875.1	8546.6	8937.6	8688.8	6420.3	6192.9
67.5°	1012.1	1006.8	1049.8	1191.6	1253.5	2974.1	8093.0	10346.8	10230.4	7088.7	6646.1
69°	892.5	885.1	929.0	1093.7	1177.3	1966.1	7235.0	10666.8	10674.2	7441.5	6677.2
70°	803.2	808.1	851.5	1035.5	1151.5	1543.2	6415.4	10585.3	10643.4	7573.4	6490.4
72.5°	536.4	549.5	636.8	859.7	1107.2	1167.9	3873.6	9083.4	9307.2	7276.3	5568.4
75°	302.4	312.2	415.9	648.3	1043.3	1112.1	2046.0	6692.0	6908.4	6084.7	4294.0
77.5°	148.3	153.7	235.2	418.4	872.4	1059.7	1160.5	4545.6	4792.7	3971.5	2428.7
80°	62.7	65.6	117.6	258.2	623.7	1011.3	861.8	2797.5	2828.3	1555.9	647.0
82.5°	24.2	25.0	49.6	161.0	396.3	788.4	720.8	1326.4	1294.5	293.0	147.5
85°	2.9	3.3	18.0	96.7	220.5	405.7	585.6	571.6	529.0	58.2	75.8
87.5°	0.0	0.0	1.2	29.5	65.6	190.1	304.5	237.3	213.9	18.8	39.3
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°	2447.2	2447.2	2447.2	2447.2	2447.2	2447.2	2447.2	2447.2	2447.2	2447.2	2447.2
2.5°	2441.0	2436.9	2414.8	2382.8	2352.5	2314.8	2278.7	2257.0	2239.8	2228.3	2241.9
5°	2447.6	2429.5	2362.3	2276.3	2191.9	2096.8	2008.3	1933.3	1903.8	1871.0	1885.8
7.5°	2445.5	2411.5	2290.6	2137.4	1982.5	1822.3	1670.6	1553.9	1493.2	1433.8	1449.0
10°	2435.3	2377.9	2194.7	1967.7	1735.8	1505.5	1290.4	1126.9	1035.5	952.7	964.6
12.5°	2412.7	2332.8	2081.6	1773.5	1463.3	1159.7	907.6	698.3	586.0	536.4	542.5
15°	2399.2	2289.0	1962.0	1576.8	1172.4	807.7	554.8	412.6	361.4	345.0	347.1
17.5°	2392.7	2246.8	1838.2	1351.8	874.9	514.3	358.6	316.3	305.3	302.4	303.2
20°	2386.1	2204.2	1710.8	1129.3	602.8	345.8	294.6	282.3	278.2	274.5	275.4
22.5°	2375.0	2163.2	1573.9	904.0	406.5	280.7	265.5	253.6	245.0	240.5	241.4
25°	2361.5	2120.2	1434.2	673.3	296.7	250.4	236.0	219.2	209.0	200.8	201.2
27.5°	2339.8	2067.3	1290.0	490.1	249.1	224.1	204.9	186.4	169.2	159.8	159.8
30°	2309.5	2007.5	1129.7	350.8	223.3	198.3	175.0	152.0	133.6	125.0	124.2
32.5°	2275.9	1945.2	967.9	265.9	202.8	174.2	147.5	123.3	107.0	100.0	99.6
35°	2247.2	1878.0	806.4	222.9	182.3	150.8	121.7	101.2	88.1	82.4	82.0
37.5°	2228.8	1810.8	649.1	199.1	163.9	129.1	102.0	83.6	74.2	69.7	69.3
40°	2225.9	1760.8	505.2	181.1	146.7	109.8	85.2	70.9	62.3	57.4	57.0
42.5°	2263.2	1732.1	387.6	166.0	129.1	93.0	72.5	60.6	51.6	46.7	46.3
45°	2361.1	1741.1	298.3	152.4	111.5	78.7	61.5	50.4	42.2	38.5	37.7
47.5°	2539.8	1803.4	237.3	138.9	94.7	66.8	52.5	41.8	34.8	31.1	30.7
50°	2857.8	1949.7	198.3	124.2	79.1	57.0	43.4	34.0	28.3	25.0	24.6
52.5°	3279.8	2210.3	177.0	109.8	65.6	48.4	35.7	27.0	22.1	19.7	19.3
55°	3745.3	2525.8	163.1	94.2	53.7	40.2	28.3	21.3	17.2	15.2	14.3
57.5°	4199.8	2799.2	150.0	79.1	44.7	32.8	22.5	16.8	13.5	11.5	11.1
60°	4617.3	3050.3	134.8	63.5	36.5	25.8	17.6	13.1	10.7	8.6	8.6
62.5°	5064.4	3244.6	113.9	49.6	29.9	19.7	14.3	11.9	8.6	7.4	7.0
65°	5538.1	3388.8	89.3	38.5	23.4	14.8	11.9	12.3	7.0	5.3	4.9
67.5°	5888.0	3360.1	66.0	30.3	18.0	11.5	11.5	13.1	6.1	4.1	3.7
69°	5811.0	3127.0	55.3	26.2	15.6	9.8	10.7	13.1	5.7	3.7	3.3
70°	5587.7	2868.8	48.8	23.4	13.9	9.0	10.2	12.7	5.3	3.7	3.3
72.5°	4653.4	2160.7	38.1	17.6	11.1	7.4	8.6	11.1	5.3	3.7	2.9
75°	3500.3	1383.0	29.1	12.7	8.2	5.7	6.6	8.2	5.3	3.3	2.9
77.5°	1904.6	498.7	20.9	8.6	5.7	4.5	4.5	6.1	4.9	2.5	1.6
80°	489.7	125.4	13.1	5.7	4.5	3.3	2.9	4.1	2.9	0.4	0.0
82.5°	120.9	28.3	7.0	4.1	3.3	1.2	1.2	2.0	1.2	0.0	0.0
85°	66.4	13.9	4.5	2.9	1.6	0.0	0.0	0.4	0.0	0.0	0.0
87.5°	34.0	4.1	1.2	0.8	0.4	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)