

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: P458915

Luminaire Tested: **GLAN-SA4B-735-U-T4FT-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458915
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4B-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15100 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

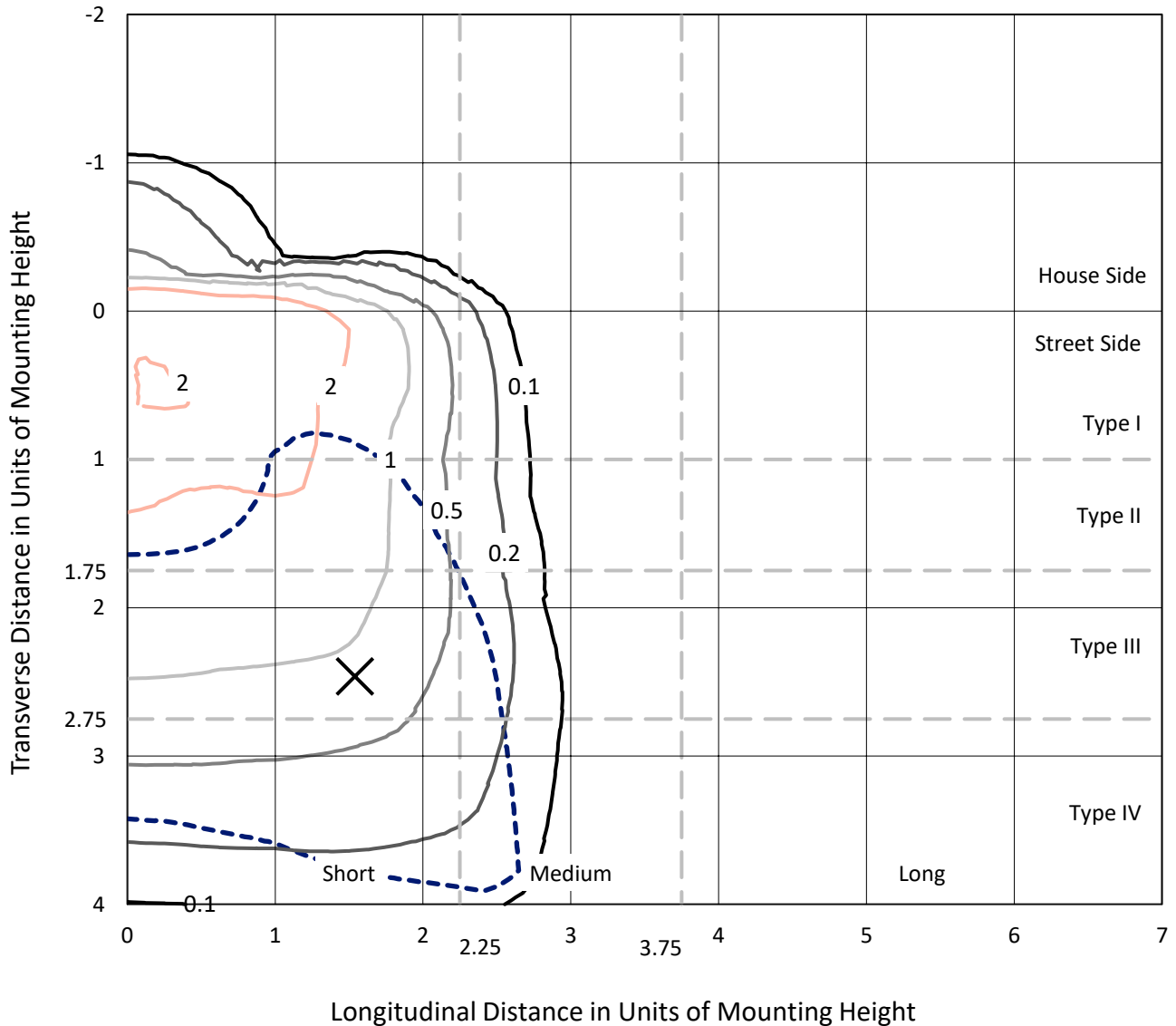
Input Watts (W): 164
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

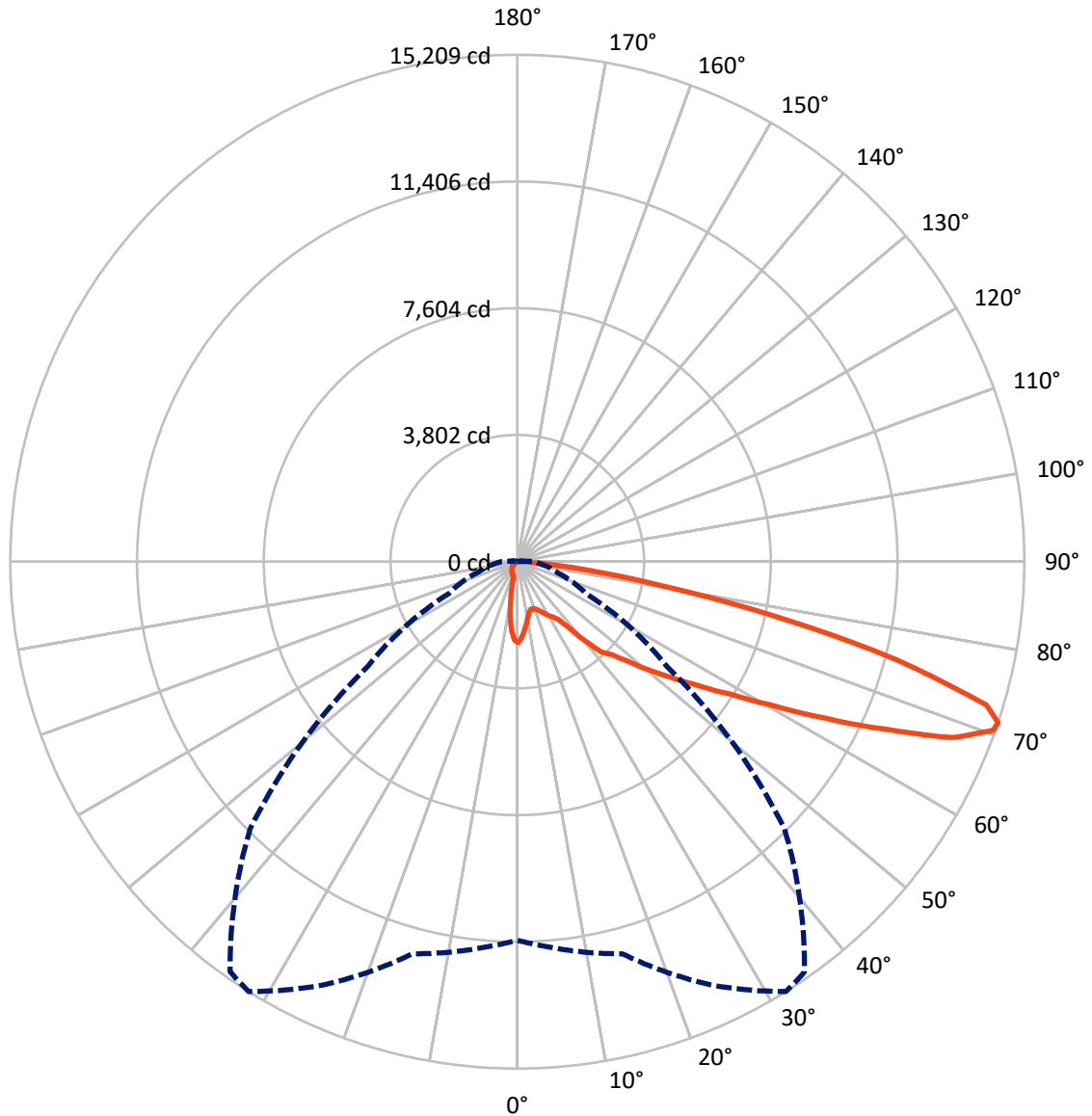
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P458915
CATALOG NUMBER: GLAN-SA4B-735-U-T4FT-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1264.8	0.0	1264.8
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	13835.2	0.0	13835.2
	% Fixture	91.6	0.0	91.6
Total	Lumens	15100.0	0.0	15100.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.5	1.3
10°-20°	428.5	2.8
20°-30°	666.7	4.4
30°-40°	1110.7	7.4
40°-50°	2066.1	13.7
50°-60°	3317.1	22.0
60°-70°	4461.7	29.5
70°-80°	2647.2	17.5
80°-90°	204.6	1.4
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°	15100.0	100.0
0°-180°	15100.0	100.0



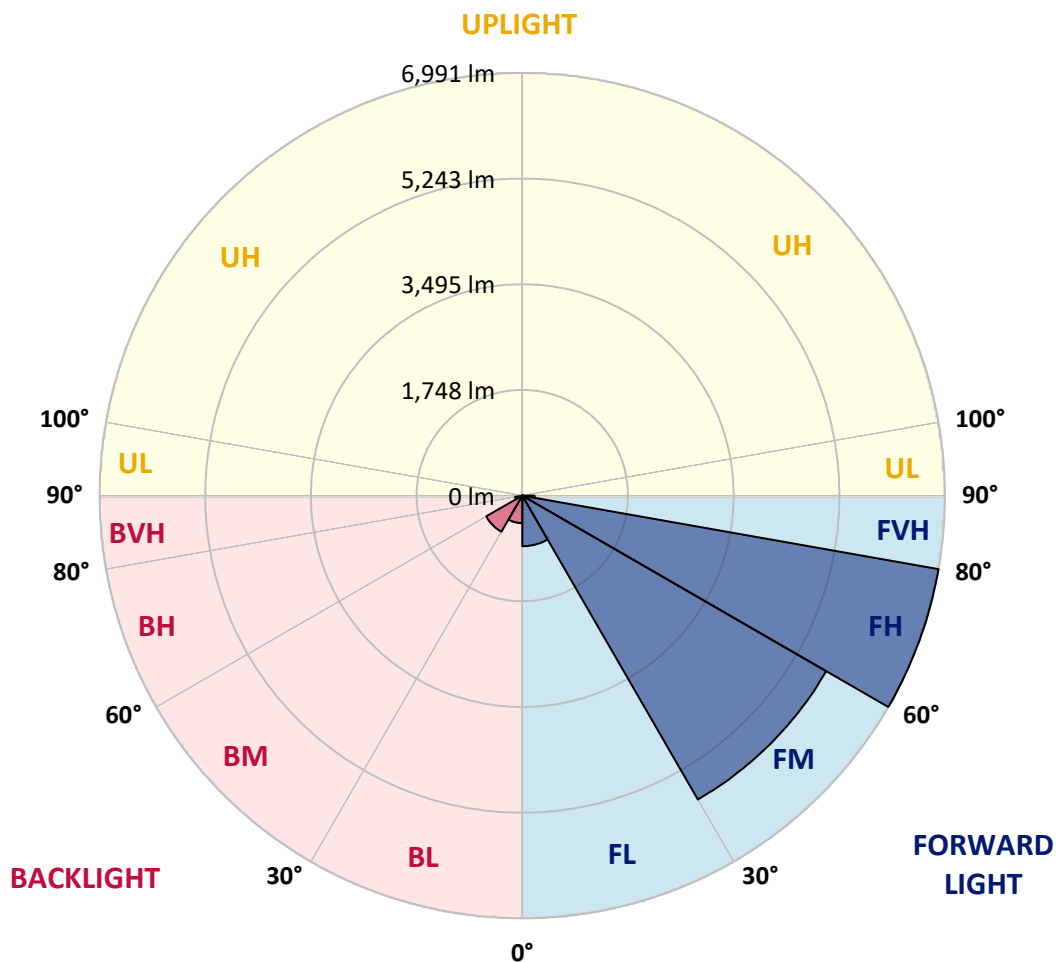
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	836.9	5.5			
FM	(30°-60°)	5803.9	38.4			
FH	(60°-80°)	6990.6	46.3			G3/7500
FVH	(80°-90°)	203.8	1.3			G2/225
BL	(0°-30°)	455.7	3.0	B1/500		
BM	(30°-60°)	690.0	4.6	B1/1000		
BH	(60°-80°)	118.3	0.8	B1/500		G1/500
BVH	(80°-90°)	0.8	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





REPORT NUMBER: P458915

CATALOG NUMBER: GLAN-SA4B-735-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	2428.3	2428.3	2428.3	2428.3	2428.3	2428.3	2428.3	2428.3	2428.3	2428.3	2428.3
2.5°	2252.1	2275.3	2271.8	2280.0	2299.7	2307.8	2329.8	2354.1	2387.7	2410.9	2426.0
5°	2016.8	2034.2	2036.5	2077.1	2096.8	2118.8	2183.7	2254.5	2333.3	2395.9	2437.6
7.5°	1765.3	1774.6	1793.1	1846.4	1896.3	1918.3	2016.8	2139.7	2263.7	2380.8	2456.1
10°	1557.8	1568.3	1601.9	1658.7	1705.0	1734.0	1870.8	2024.9	2198.8	2372.7	2482.8
12.5°	1439.6	1445.4	1458.1	1509.1	1568.3	1599.6	1746.8	1922.9	2146.7	2376.2	2528.0
15°	1431.5	1429.2	1414.1	1435.0	1488.3	1520.7	1664.5	1853.4	2100.3	2387.7	2581.3
17.5°	1474.4	1468.6	1432.6	1432.6	1476.7	1503.4	1629.7	1816.3	2077.1	2414.4	2656.7
20°	1540.4	1531.2	1472.1	1467.4	1510.3	1538.1	1650.6	1818.6	2081.7	2464.2	2757.5
22.5°	1623.9	1613.5	1524.2	1526.5	1572.9	1600.7	1710.8	1860.4	2110.7	2525.7	2865.3
25°	1732.9	1721.3	1615.8	1611.1	1659.8	1684.2	1800.1	1934.5	2151.3	2602.2	3006.7
27.5°	1877.7	1853.4	1727.1	1720.1	1772.3	1803.6	1907.9	2034.2	2223.2	2707.7	3196.8
30°	1997.1	1970.5	1849.9	1831.4	1887.0	1911.4	2019.2	2168.7	2364.6	2892.0	3459.9
32.5°	2153.6	2114.2	1972.8	1924.1	1983.2	2014.5	2180.3	2419.0	2574.4	3086.7	3772.9
35°	2506.0	2481.6	2308.9	2138.5	2135.1	2174.5	2417.9	2671.7	2790.0	3390.4	4199.4
37.5°	3010.2	2992.8	2809.7	2581.3	2515.2	2496.7	2706.5	2949.9	3134.2	3807.6	4695.5
40°	3595.5	3555.0	3386.9	3193.3	3107.5	3053.1	3047.3	3363.7	3583.9	4374.4	5212.5
42.5°	4015.1	3940.9	3736.9	3723.0	3704.5	3647.7	3483.1	3968.8	4164.6	4984.1	5765.4
45°	4455.6	4343.2	4039.5	3987.3	3980.4	3976.9	4141.5	4685.1	4797.5	5644.8	6333.3
47.5°	4797.5	4708.3	4459.1	4435.9	4464.9	4543.7	5012.0	5445.5	5422.3	6233.6	6809.7
50°	5253.0	5185.8	4908.8	4952.8	5102.4	5231.0	5993.7	6274.2	5935.8	6697.3	7156.3
52.5°	5790.9	5666.8	5409.5	5528.9	5758.4	5972.8	7035.7	6999.8	6296.2	7046.2	7414.8
55°	6256.8	6168.7	6080.6	6204.7	6547.8	6815.5	7976.9	7543.4	6558.2	7326.7	7528.4
57.5°	7045.0	7024.1	6933.7	7060.1	7476.2	7754.4	8819.6	7965.3	6726.3	7472.7	7395.1
60°	8211.1	8177.5	8009.4	8170.5	8713.0	9149.9	9596.2	8344.4	6764.5	7415.9	7011.4
62.5°	9613.6	9498.8	9355.1	9592.7	10336.9	10529.3	10327.6	8569.2	6621.9	6963.9	6086.4
65°	10923.4	10805.1	10808.6	11309.3	12119.6	12250.5	11180.7	8535.6	6204.7	5831.4	4489.2
67.5°	11926.0	11906.3	12047.7	13024.8	14084.2	13993.8	11943.4	8032.6	4967.9	3779.8	2385.4
70°	11977.0	12015.2	12420.9	14070.3	15146.0	15002.2	11878.5	6529.2	3097.1	1738.7	940.0
71°	11360.3	11617.7	12178.7	14037.9	15208.6	15021.9	11331.4	5468.6	2271.8	1212.4	678.1
72.5°	9680.8	9816.4	11028.8	13211.4	14713.6	14314.9	9943.9	3833.1	1454.7	741.8	389.5
75°	5331.9	5665.7	7385.8	10364.7	11768.3	11418.3	6480.5	1820.9	725.6	405.7	161.1
77.5°	2538.4	2473.5	3603.6	6164.1	7979.2	7960.7	3265.2	809.1	423.1	274.7	81.1
80°	725.6	816.0	1379.3	2930.2	4430.1	4478.8	1254.1	390.6	293.3	214.4	41.7
82.5°	219.1	223.7	506.5	1295.9	2203.5	2077.1	470.6	199.4	211.0	170.4	24.3
85°	38.3	47.5	149.5	456.7	840.3	637.5	118.2	95.0	139.1	112.4	13.9
87.5°	2.3	3.5	49.8	52.2	74.2	42.9	20.9	13.9	30.1	30.1	8.1
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°	2428.3	2428.3	2428.3	2428.3	2428.3	2428.3	2428.3	2428.3	2428.3	2428.3	2428.3
2.5°	2436.4	2443.4	2438.7	2428.3	2410.9	2390.1	2362.2	2339.1	2319.4	2308.9	2321.7
5°	2451.5	2460.8	2437.6	2385.4	2306.6	2220.8	2123.5	2048.1	1989.0	1970.5	1963.5
7.5°	2474.7	2480.5	2417.9	2302.0	2135.1	1932.2	1754.9	1605.4	1489.4	1454.7	1403.7
10°	2504.8	2501.3	2383.1	2167.5	1874.3	1569.4	1294.7	1090.7	936.6	880.9	876.3
12.5°	2551.2	2532.6	2339.1	1984.4	1563.6	1164.9	825.3	645.6	548.3	515.8	508.8
15°	2609.1	2565.1	2269.5	1769.9	1197.4	752.3	508.8	454.4	441.6	439.3	437.0
17.5°	2677.5	2608.0	2178.0	1506.8	841.5	488.0	425.4	424.2	425.4	423.1	421.9
20°	2770.3	2653.2	2069.0	1195.0	556.4	411.5	405.7	405.7	406.8	405.7	405.7
22.5°	2868.8	2706.5	1934.5	912.2	419.6	390.6	389.5	391.8	394.1	392.9	392.9
25°	2990.5	2776.0	1757.2	624.8	375.5	373.2	374.4	379.0	383.7	384.8	383.7
27.5°	3166.7	2861.8	1567.1	430.0	344.3	346.6	358.2	369.8	376.7	377.9	377.9
30°	3364.9	2956.9	1319.1	348.9	318.8	318.8	332.7	354.7	369.8	372.1	373.2
32.5°	3619.9	3067.0	1044.3	314.1	294.4	292.1	304.8	331.5	359.3	367.4	367.4
35°	3935.1	3196.8	776.6	292.1	277.0	271.2	278.2	300.2	336.1	359.3	361.6
37.5°	4304.9	3319.7	568.0	272.4	260.8	252.7	257.3	274.7	303.7	338.5	347.7
40°	4646.8	3428.6	424.2	256.2	244.6	238.8	242.3	250.4	274.7	307.2	313.0
42.5°	5020.1	3513.2	337.3	238.8	228.3	226.0	226.0	229.5	245.7	264.3	265.4
45°	5392.1	3543.4	282.8	217.9	211.0	213.3	212.1	209.8	216.8	214.4	214.4
47.5°	5657.6	3507.4	234.1	198.2	198.2	201.7	195.9	187.8	184.3	170.4	171.5
50°	5839.5	3376.5	192.4	175.0	184.3	188.9	177.3	164.6	151.8	136.8	133.3
52.5°	5914.9	3143.5	157.6	144.9	163.4	169.2	155.3	140.3	120.5	107.8	104.3
55°	5866.2	2856.0	131.0	118.2	137.9	144.9	131.0	113.6	91.6	77.7	75.3
57.5°	5651.8	2512.9	111.3	93.9	110.1	114.8	105.5	86.9	64.9	51.0	51.0
60°	5280.9	2158.2	90.4	74.2	82.3	89.3	80.0	62.6	44.0	31.3	29.0
62.5°	4528.6	1752.6	73.0	58.0	58.0	63.8	55.6	45.2	27.8	16.2	15.1
65°	3269.8	1202.0	58.0	42.9	41.7	41.7	34.8	30.1	16.2	7.0	4.6
67.5°	1776.9	678.1	46.4	32.5	29.0	27.8	22.0	17.4	7.0	1.2	0.0
70°	698.9	260.8	35.9	22.0	18.5	17.4	11.6	8.1	4.6	0.0	0.0
71°	474.1	179.7	31.3	18.5	15.1	12.8	9.3	7.0	3.5	0.0	0.0
72.5°	271.2	111.3	24.3	13.9	11.6	9.3	7.0	4.6	3.5	0.0	0.0
75°	118.2	56.8	15.1	10.4	8.1	5.8	4.6	3.5	1.2	0.0	0.0
77.5°	60.3	31.3	10.4	8.1	4.6	3.5	2.3	1.2	0.0	0.0	0.0
80°	33.6	16.2	7.0	4.6	3.5	2.3	1.2	1.2	0.0	0.0	0.0
82.5°	18.5	9.3	3.5	2.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	11.6	5.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.8	2.3	0.0	0.0	0.0	0.0	1.2	1.2	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)