

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: P530755

Luminaire Tested: **GLAN-SA6A-730-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530755
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6A-730-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14443 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 182
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



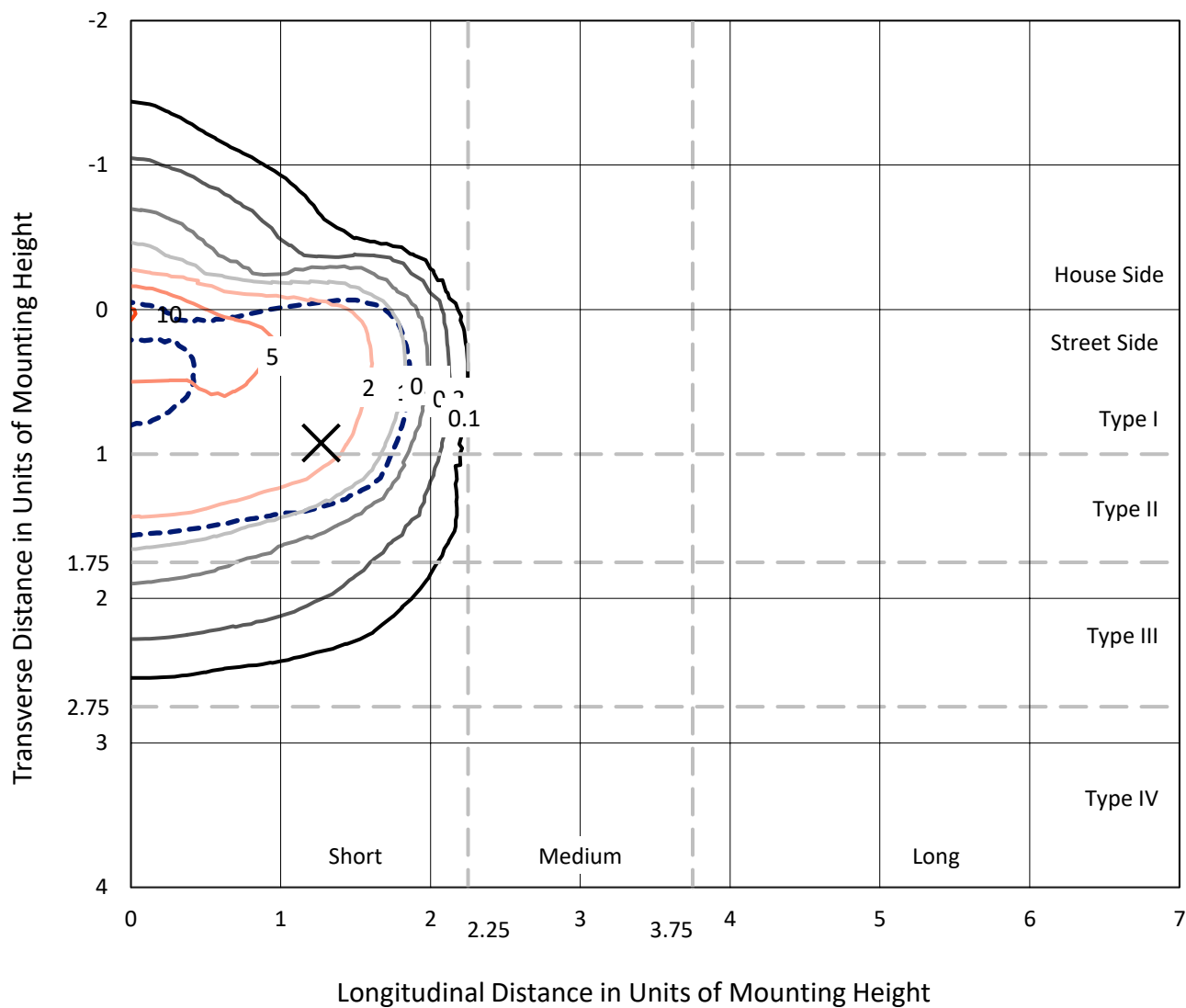
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

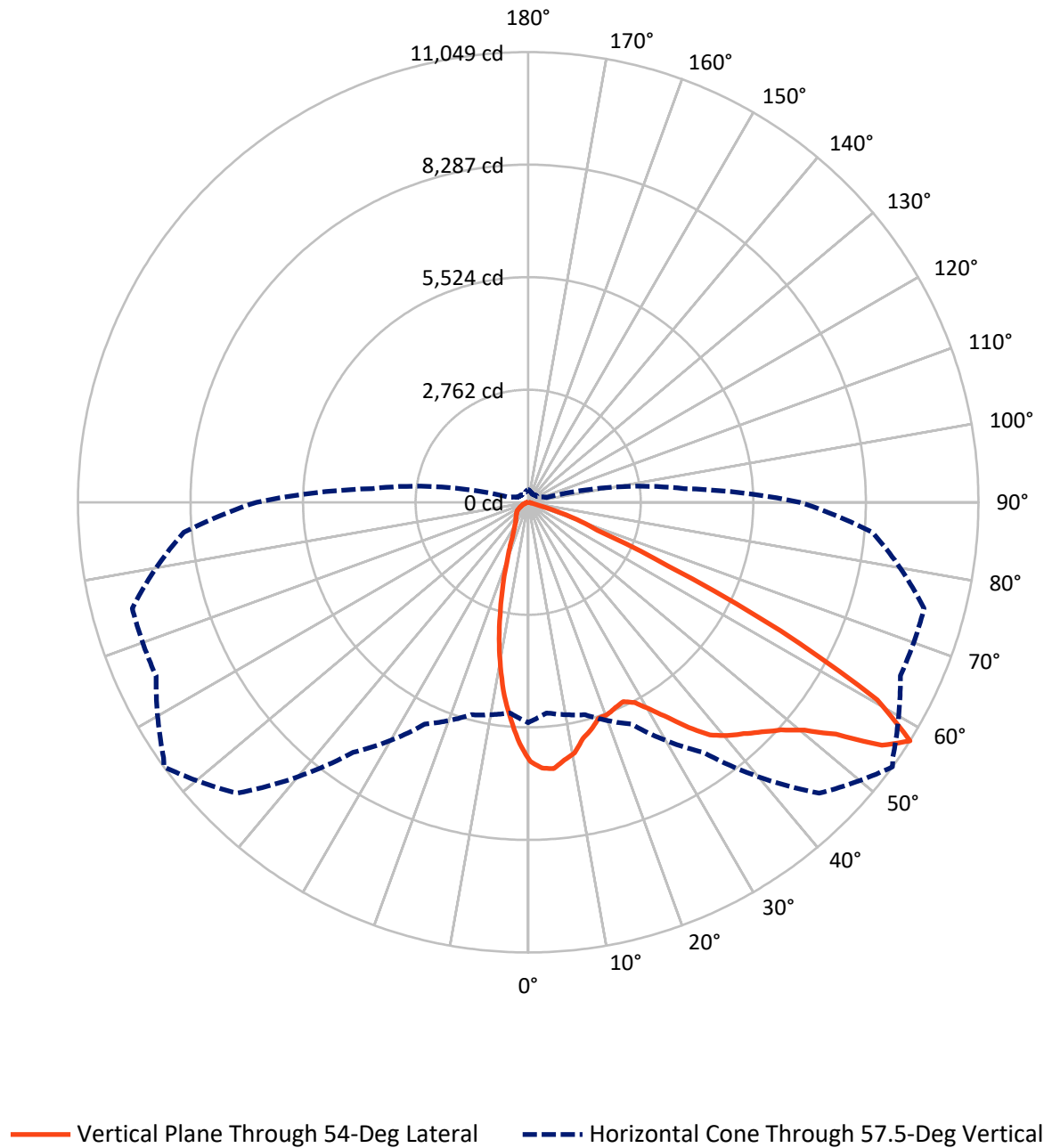


Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2041.0	0.0	2041.0
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	12402.0	0.0	12402.0
	% Fixture	85.9	0.0	85.9
Total	Lumens	14443.0	0.0	14443.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	532.4	3.7
10°-20°	1136.7	7.9
20°-30°	1506.3	10.4
30°-40°	2189.1	15.2
40°-50°	3246.2	22.5
50°-60°	4059.2	28.1
60°-70°	1601.2	11.1
70°-80°	159.4	1.1
80°-90°	12.4	0.1
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°	14443.0	100.0
0°-180°	14443.0	100.0

Coefficient of Utilization



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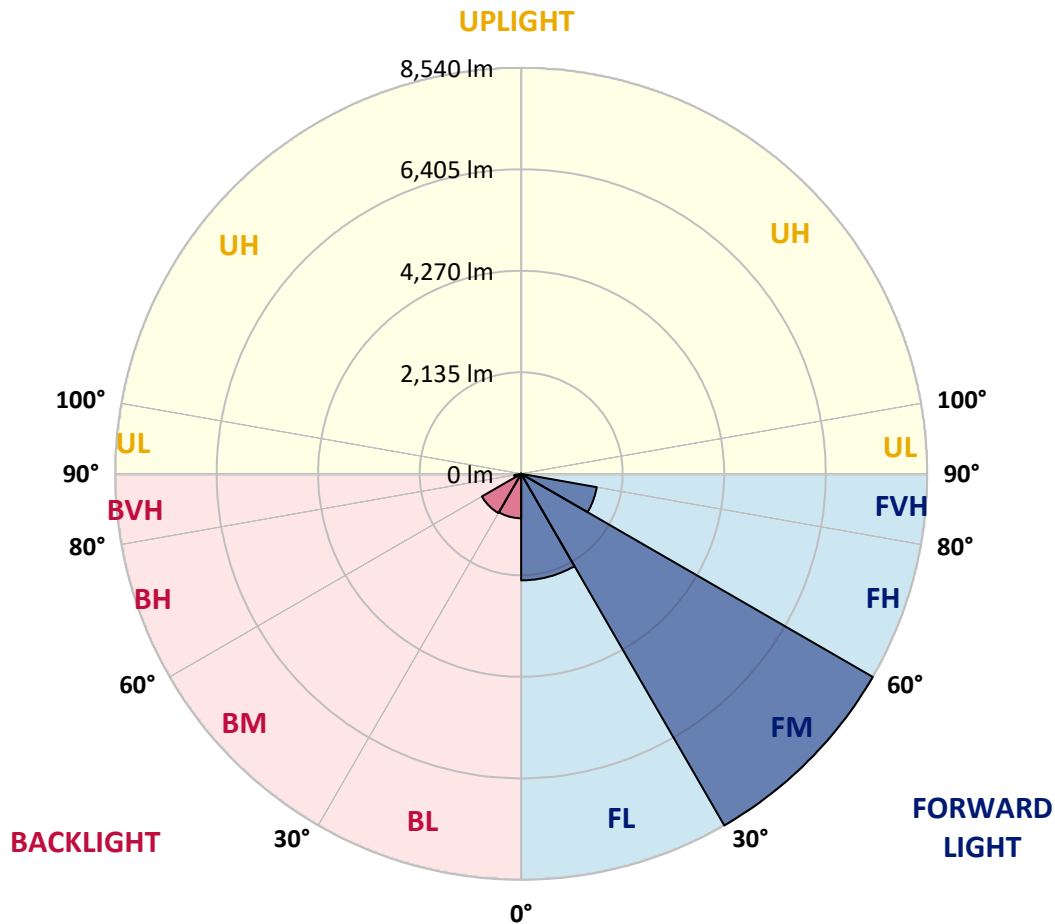
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2242.0	15.5			
FM	(30°-60°)	8540.1	59.1			
FH	(60°-80°)	1614.2	11.2			G1/1800
FVH	(80°-90°)	5.6	0.0			G0/10
BL	(0°-30°)	933.5	6.5	B2/1000		
BM	(30°-60°)	954.4	6.6	B1/1000		
BH	(60°-80°)	146.4	1.0	B1/500		G1/500
BVH	(80°-90°)	6.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3
2.5°	6733.0	6663.1	6668.5	6644.3	6612.1	6636.3	6531.5	6555.7	6553.0	6410.7	6316.7
5°	6563.8	6639.0	6561.1	6625.5	6563.8	6630.9	6566.4	6518.1	6440.2	6335.5	6160.9
7.5°	6276.4	6203.9	6225.4	6305.9	6319.4	6469.8	6389.2	6451.0	6418.7	6211.9	5972.9
10°	5699.0	5682.9	5790.3	5897.7	6029.3	6190.5	6252.2	6217.3	6193.1	6115.3	5795.7
12.5°	5255.8	5301.5	5298.8	5476.1	5699.0	5790.3	5951.4	5946.1	6080.3	5935.3	5629.1
15°	4834.2	4858.4	4971.2	5081.3	5328.4	5588.9	5787.6	5814.5	5975.6	5873.5	5500.2
17.5°	4576.4	4541.5	4630.1	4761.7	5014.1	5355.2	5575.4	5639.9	5860.1	5838.6	5352.5
20°	4321.2	4321.2	4393.7	4549.5	4780.5	5164.5	5556.6	5537.8	5860.1	5798.3	5194.1
22.5°	4235.3	4278.3	4297.1	4415.2	4689.2	5019.5	5476.1	5511.0	5905.8	5779.5	5124.2
25°	4353.5	4297.1	4302.4	4396.4	4654.3	4949.7	5417.0	5494.9	5989.0	5873.5	5067.8
27.5°	4372.3	4428.7	4444.8	4509.2	4681.1	4971.2	5564.7	5723.1	6195.8	6093.8	5084.0
30°	4536.1	4592.5	4589.8	4699.9	4818.1	5145.7	5895.0	5927.3	6622.8	6370.4	5183.3
32.5°	4734.8	4793.9	4812.7	4941.6	5035.6	5465.3	6297.9	6381.1	7033.8	6805.5	5443.8
35°	4981.9	4960.4	5046.4	5175.3	5376.7	5932.6	6789.4	6929.0	7476.9	7369.5	5712.4
37.5°	5290.8	5263.9	5347.2	5556.6	5830.6	6485.9	7243.2	7334.5	7799.2	7893.2	6209.3
40°	5508.3	5519.0	5771.5	6053.5	6343.5	7012.3	7530.6	7619.2	8024.8	8382.0	6585.2
42.5°	5870.9	5938.0	6241.5	6585.2	6888.7	7407.1	7764.3	7850.2	8129.5	8774.1	7092.8
45°	6397.2	6367.7	6703.4	7087.5	7423.2	7818.0	8040.9	8011.3	8191.3	9163.5	7412.4
47.5°	7074.0	7079.4	7302.3	7630.0	7979.1	8175.2	8349.7	8245.0	8320.2	9574.4	7839.5
50°	7536.0	7576.3	7756.2	8091.9	8266.5	8567.3	8790.2	8725.7	8701.5	9821.5	8108.0
52.5°	7654.1	7775.0	7871.7	8290.6	8698.9	9174.2	9458.9	9595.9	9166.2	9904.7	8449.1
55°	6762.5	6869.9	7211.0	7785.7	8862.7	10135.7	10527.8	10530.5	9773.1	10275.3	8688.1
57.5°	5406.2	5188.7	5398.2	6007.8	7493.0	10095.4	11048.8	10922.6	10076.6	10057.8	8481.3
60°	3738.4	3684.7	3698.2	3939.9	5186.0	8030.1	9845.6	10009.5	9279.0	8717.7	6714.2
62.5°	2962.3	2916.6	2857.5	2830.7	3220.1	5003.4	6945.1	7176.1	6488.6	5653.3	3980.2
65°	2320.4	2293.6	2301.6	2409.0	2406.4	2838.7	3797.5	3703.5	2965.0	2191.5	1251.5
67.5°	1565.7	1606.0	1638.3	1963.2	2129.7	1976.6	1834.3	1780.6	964.2	405.5	276.6
70°	880.9	886.3	921.2	1227.3	1616.8	1533.5	1264.9	1264.9	480.7	147.7	158.5
72.5°	480.7	464.6	432.4	529.1	719.8	730.5	564.0	491.5	142.3	96.7	88.6
75°	233.7	231.0	198.7	163.8	155.8	128.9	99.4	91.3	64.5	61.8	53.7
77.5°	48.3	45.7	24.2	24.2	26.9	29.5	37.6	37.6	45.7	45.7	37.6
80°	0.0	0.0	2.7	10.7	18.8	26.9	32.2	32.2	37.6	37.6	29.5
82.5°	0.0	0.0	2.7	8.1	16.1	24.2	29.5	32.2	37.6	40.3	32.2
85°	0.0	0.0	0.0	5.4	13.4	18.8	16.1	16.1	13.4	10.7	5.4
87.5°	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3	6362.3
2.5°	6268.3	6263.0	6139.4	6069.6	5943.4	5833.3	5744.6	5680.2	5680.2	5639.9	5602.3
5°	6091.1	6045.4	5782.2	5613.0	5374.0	5196.8	5075.9	4981.9	4834.2	4874.5	4716.0
7.5°	5870.9	5755.4	5406.2	5148.4	4818.1	4565.6	4307.8	4079.5	3859.3	3759.9	3813.6
10°	5634.5	5433.1	4963.1	4554.9	4144.0	3682.0	3381.2	3016.0	2790.4	2777.0	2717.9
12.5°	5384.8	5156.5	4584.4	4020.4	3480.6	2924.7	2465.4	2124.4	1971.3	1802.1	1834.3
15°	5196.8	4858.4	4162.8	3483.3	2766.2	2204.9	1743.0	1479.8	1334.8	1294.5	1281.1
17.5°	4992.6	4630.1	3733.1	2911.3	2170.0	1587.2	1254.2	1128.0	1071.6	1071.6	1063.5
20°	4780.5	4372.3	3306.1	2379.5	1627.5	1184.4	1004.4	964.2	961.5	958.8	958.8
22.5°	4640.8	4076.8	2919.3	1890.7	1227.3	948.0	872.8	856.7	867.5	899.7	899.7
25°	4493.1	3792.2	2492.3	1458.3	950.7	813.8	770.8	781.5	808.4	837.9	827.2
27.5°	4342.7	3606.8	2089.4	1144.1	778.8	711.7	695.6	719.8	749.3	776.2	768.1
30°	4307.8	3408.1	1708.1	867.5	668.7	620.4	631.1	652.6	682.2	692.9	703.6
32.5°	4361.5	3252.3	1399.2	711.7	582.8	569.4	569.4	580.1	598.9	623.1	615.0
35°	4514.6	3163.7	1106.5	617.7	534.4	521.0	518.3	529.1	539.8	547.9	539.8
37.5°	4748.3	3093.9	905.1	547.9	502.2	480.7	475.4	472.7	483.4	486.1	491.5
40°	5046.4	3131.5	768.1	504.9	470.0	445.8	429.7	429.7	429.7	437.8	440.4
42.5°	5368.6	3182.5	663.4	480.7	440.4	410.9	394.8	389.4	394.8	405.5	402.8
45°	5707.0	3281.9	596.2	443.1	413.6	376.0	354.5	349.1	362.6	384.0	381.4
47.5°	6023.9	3424.2	545.2	419.0	386.7	351.8	325.0	319.6	343.8	373.3	376.0
50°	6340.9	3671.3	526.4	400.2	367.9	327.7	303.5	298.1	325.0	362.6	370.6
52.5°	6706.1	3937.2	513.0	376.0	346.5	308.9	282.0	276.6	306.2	354.5	357.2
55°	6945.1	4162.8	502.2	333.0	306.2	279.3	257.8	255.1	287.4	330.3	341.1
57.5°	6665.8	3848.6	464.6	290.1	260.5	247.1	228.3	228.3	255.1	295.4	303.5
60°	5054.4	2532.6	330.3	233.7	220.2	212.2	204.1	204.1	225.6	255.1	257.8
62.5°	2959.6	1364.3	212.2	188.0	188.0	179.9	166.5	166.5	188.0	204.1	206.8
65°	878.2	437.8	171.9	161.1	158.5	145.0	131.6	128.9	145.0	153.1	150.4
67.5°	252.5	201.4	142.3	134.3	131.6	110.1	102.1	99.4	102.1	96.7	94.0
70°	150.4	137.0	110.1	112.8	99.4	80.6	72.5	69.8	64.5	56.4	51.0
72.5°	83.3	83.3	80.6	85.9	69.8	53.7	45.7	37.6	29.5	24.2	21.5
75°	51.0	53.7	56.4	59.1	45.7	34.9	29.5	18.8	10.7	5.4	5.4
77.5°	34.9	37.6	40.3	43.0	37.6	32.2	24.2	13.4	2.7	0.0	0.0
80°	26.9	29.5	34.9	37.6	40.3	43.0	32.2	13.4	2.7	0.0	0.0
82.5°	29.5	32.2	40.3	37.6	37.6	37.6	29.5	13.4	2.7	0.0	0.0
85°	5.4	8.1	13.4	13.4	18.8	24.2	18.8	5.4	0.0	0.0	0.0
87.5°	0.0	0.0	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)