

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: P324760

Luminaire Tested: **GAN-SA6B-730-U-AFL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324760
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-30)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-730-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25482 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

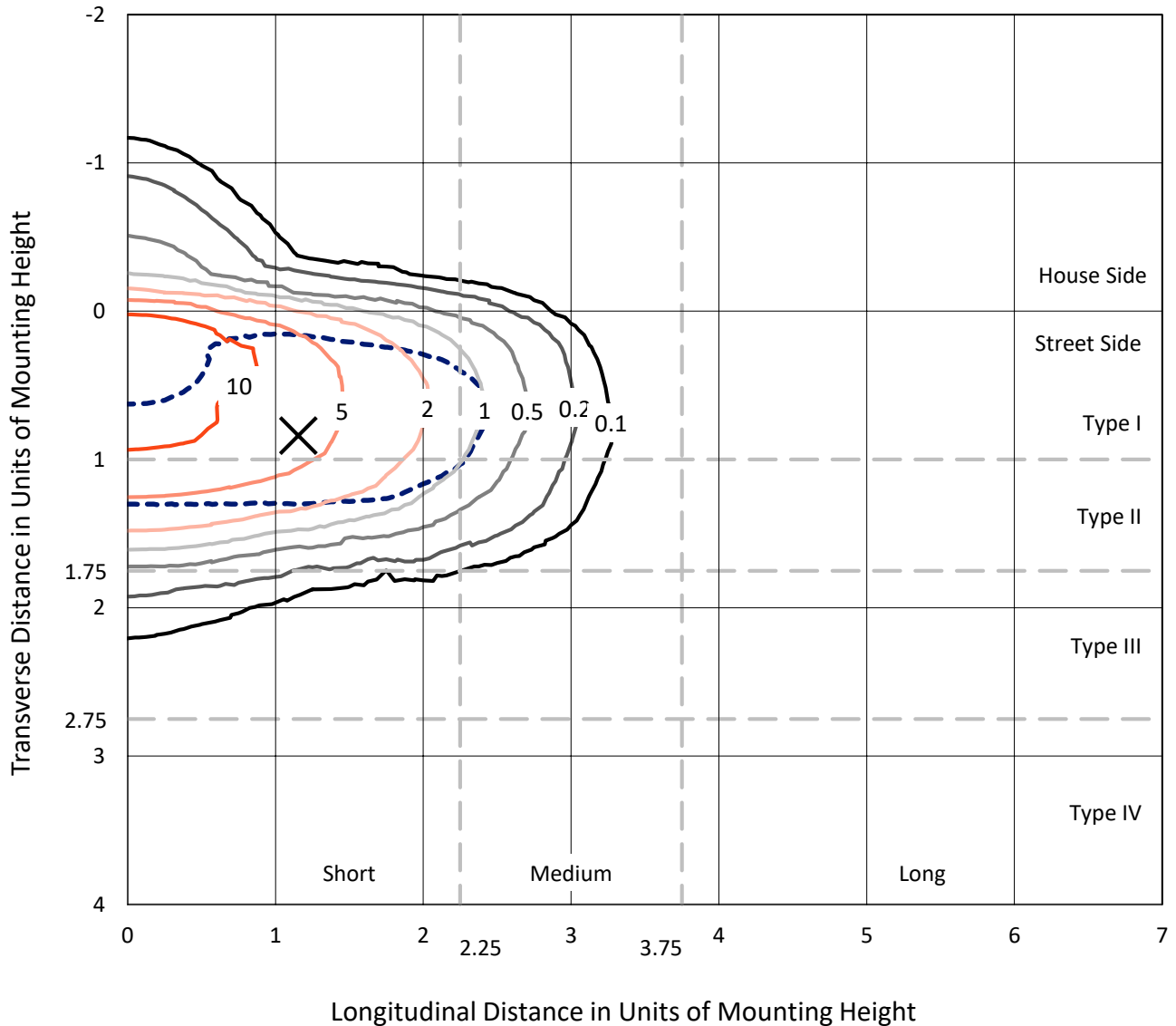
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

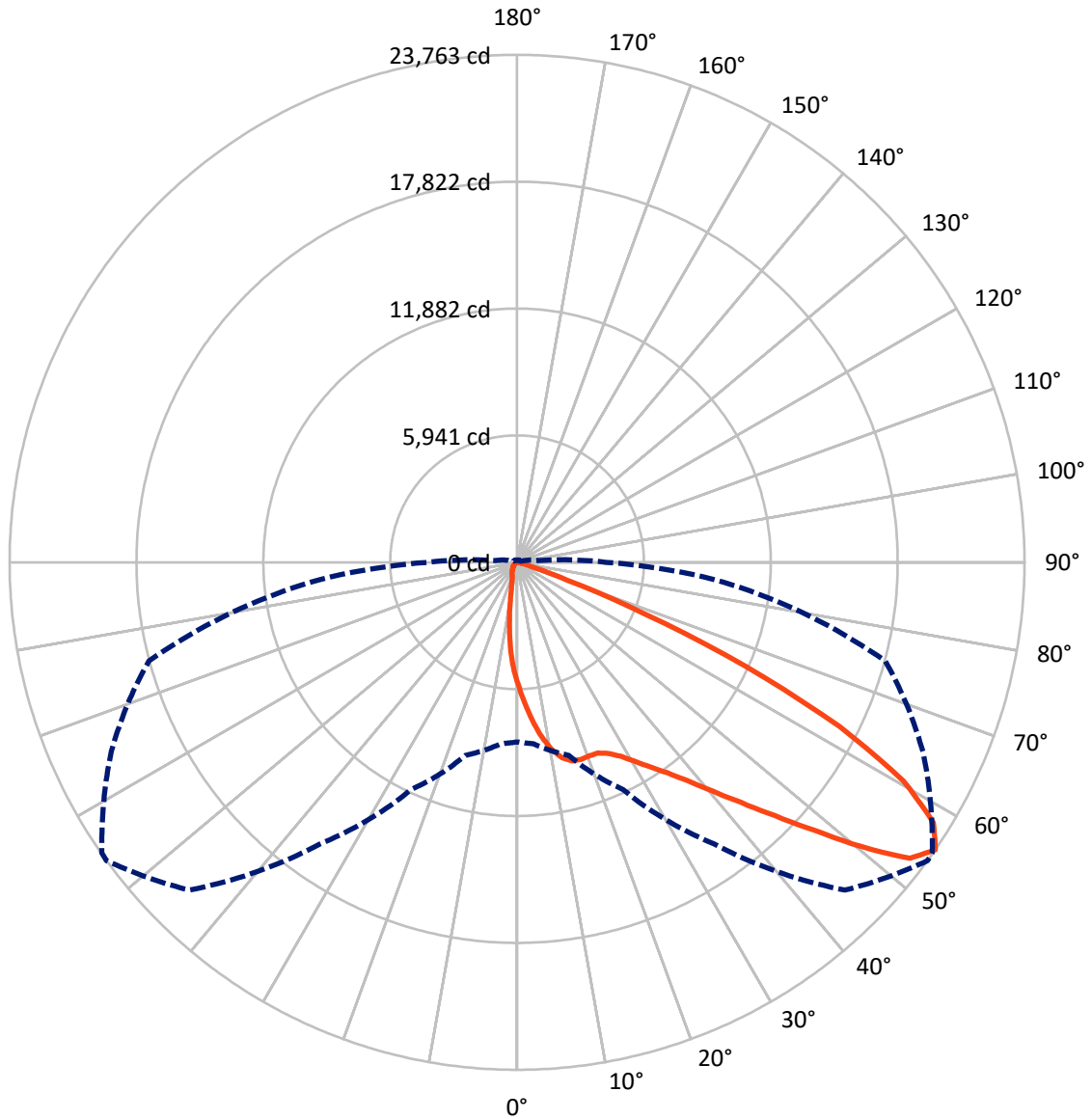
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1271.4	0.0	1271.4
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	24210.6	0.0	24210.6
	% Fixture	95.0	0.0	95.0
Total	Lumens	25482.0	0.0	25482.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	525.5	2.1
10°-20°	1441.3	5.7
20°-30°	2460.8	9.7
30°-40°	3949.2	15.5
40°-50°	6310.8	24.8
50°-60°	6762.2	26.5
60°-70°	3471.9	13.6
70°-80°	525.9	2.1
80°-90°	34.2	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°	25482.0	100.0
0°-180°	25482.0	100.0

Coefficient of Utilization



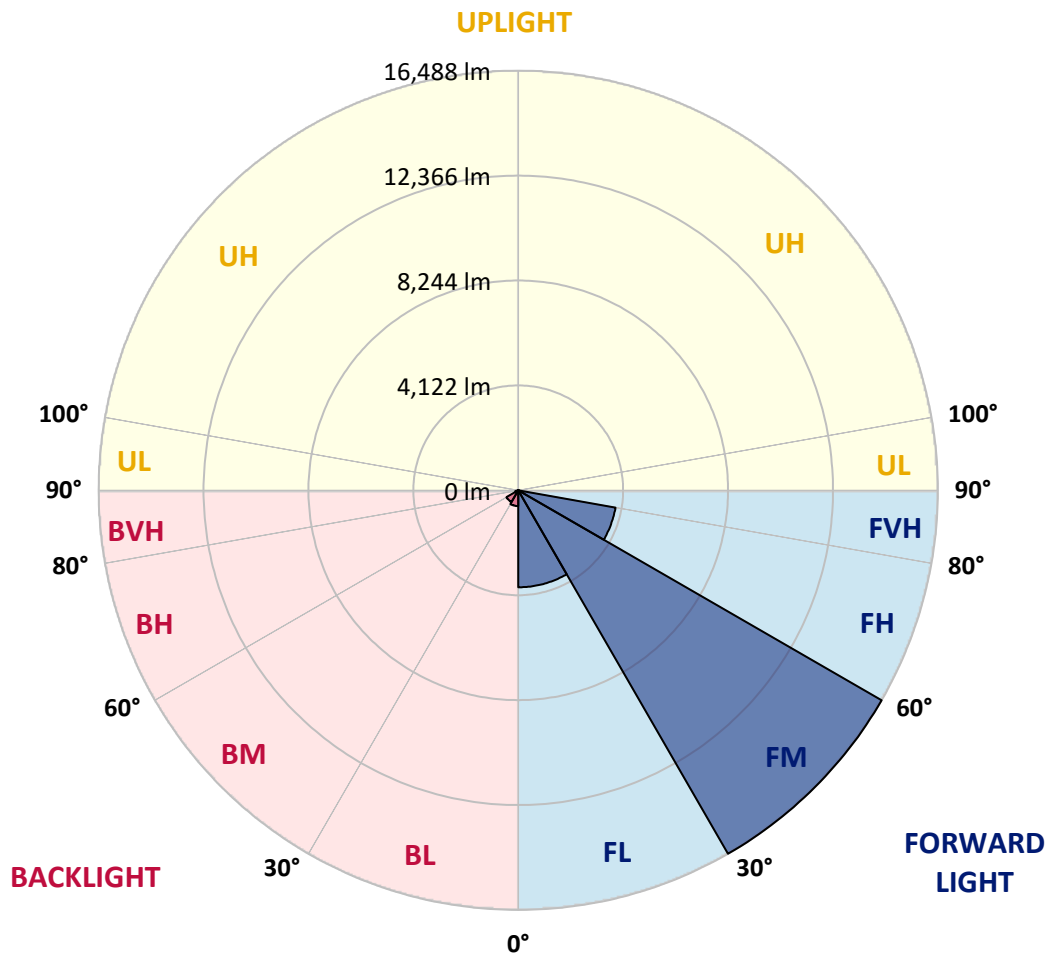
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3809.1	14.9			
FM (30°-60°)	16488.0	64.7			
FH (60°-80°)	3880.7	15.2			G2/5000
FVH (80°-90°)	32.9	0.1			G1/100
BL (0°-30°)	618.6	2.4	B2/1000		
BM (30°-60°)	534.3	2.1	B1/1000		
BH (60°-80°)	117.2	0.5	B1/500		G1/500
BVH (80°-90°)	1.4	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	5706.9	5706.9	5706.9	5706.9	5706.9	5706.9	5706.9	5706.9	5706.9	5706.9	5706.9
2.5°	7161.7	7055.0	7058.3	7009.9	6832.7	6694.1	6549.9	6515.8	6291.3	6055.8	5829.1
5°	8399.8	8321.6	8302.9	8209.4	7962.9	7702.1	7422.6	7357.6	6918.5	6436.5	5962.3
7.5°	9035.8	9036.9	9021.5	8987.4	8833.3	8580.2	8239.1	8170.9	7573.3	6850.3	6100.9
10°	8850.9	8892.8	8978.6	9091.9	9209.7	9177.8	8921.4	8859.7	8210.5	7288.3	6255.0
12.5°	8419.6	8425.1	8520.8	8706.8	9045.7	9393.5	9397.9	9377.0	8819.0	7746.1	6424.4
15°	8205.0	8225.9	8261.1	8381.0	8702.4	9259.2	9657.6	9687.3	9377.0	8232.5	6604.9
17.5°	8345.8	8375.5	8345.8	8360.1	8546.1	9046.8	9702.7	9778.6	9864.5	8713.4	6775.5
20°	8727.7	8755.2	8702.4	8644.1	8680.4	8985.2	9670.8	9773.1	10246.3	9140.4	6918.5
22.5°	9242.7	9253.7	9173.4	9077.6	9051.2	9194.3	9697.2	9802.8	10552.2	9526.6	7008.8
25°	9809.4	9819.3	9719.2	9609.1	9546.4	9604.7	9914.0	9993.2	10821.8	9895.3	7060.5
27.5°	10426.8	10435.6	10310.1	10174.8	10102.2	10104.4	10271.6	10356.4	11109.1	10315.6	7102.3
30°	11079.4	11075.0	10959.4	10771.2	10678.8	10676.6	10786.6	10872.5	11525.0	10854.9	7159.5
32.5°	11812.3	11803.5	11639.5	11406.2	11301.6	11317.1	11415.0	11464.5	12041.1	11429.3	7261.9
35°	12777.4	12752.0	12504.4	12215.0	12022.4	12016.9	12099.5	12139.1	12699.2	12124.8	7432.5
37.5°	14029.7	14006.6	13670.9	13250.5	12979.8	12878.6	12976.5	13027.2	13637.9	13017.2	7706.5
40°	15264.4	15241.3	15042.1	14656.9	14239.9	13996.7	14073.7	14127.6	14809.9	14100.1	8052.0
42.5°	16116.1	16135.9	16205.3	16237.2	15846.5	15335.9	15371.1	15427.2	16041.3	15257.8	8447.1
45°	16340.6	16383.5	16775.3	17544.5	17690.9	17292.5	16923.9	16954.7	17292.5	16415.4	8842.1
47.5°	15666.0	15745.3	16501.3	17931.9	19171.0	19452.7	18755.0	18714.3	18493.1	17351.9	9122.7
50°	14133.1	14205.7	15185.1	17301.3	19620.0	21514.9	20949.3	20829.4	19546.2	17912.1	9221.8
52.5°	11914.6	12002.6	12798.3	15316.1	18773.7	22434.9	23027.0	22926.8	20318.8	17956.1	9238.3
55°	8414.1	8520.8	9362.6	11738.5	16091.9	21703.1	23763.2	23733.5	20960.3	17839.4	9273.5
57.5°	4728.6	4805.7	5713.5	7524.9	11785.8	18903.6	22993.9	23190.9	21347.7	17636.9	9326.3
60°	2099.7	2120.6	2590.5	3745.9	6899.8	14446.7	20791.9	21124.3	21015.3	17366.2	9415.5
62.5°	1164.3	1146.7	1146.7	1557.1	2998.7	8943.4	16954.7	17503.8	19596.9	17046.0	9419.9
65°	912.3	895.8	848.4	855.1	1142.3	3969.3	11740.7	12716.8	16902.9	16107.3	9102.9
67.5°	773.6	759.3	712.0	693.3	709.8	1309.5	6450.9	7464.4	12825.8	13667.6	7884.7
70°	653.7	643.8	619.6	596.4	554.6	647.1	2468.3	3157.2	7903.4	9091.9	5382.3
72.5°	526.0	521.6	530.4	510.6	460.0	431.4	844.0	1022.3	3550.1	4057.4	2217.4
75°	453.4	451.2	455.6	435.8	378.6	300.4	429.2	468.8	1001.4	992.6	449.0
77.5°	294.9	298.2	377.5	368.7	325.7	200.3	222.3	239.9	303.7	227.8	136.5
80°	188.2	186.0	191.5	305.9	292.7	153.0	111.1	116.6	146.4	112.2	66.0
82.5°	114.4	112.2	125.5	143.1	147.5	106.7	68.2	69.3	91.3	72.6	35.2
85°	9.9	13.2	75.9	70.4	50.6	33.0	33.0	35.2	48.4	42.9	19.8
87.5°	0.0	0.0	13.2	19.8	11.0	12.1	12.1	13.2	18.7	18.7	9.9
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°	5706.9	5706.9	5706.9	5706.9	5706.9	5706.9	5706.9	5706.9	5706.9	5706.9	5706.9
2.5°	5711.3	5596.9	5365.8	5143.5	4955.3	4773.8	4566.9	4362.2	4266.5	4227.9	4188.3
5°	5721.3	5485.8	5009.3	4529.5	4032.1	3584.2	3202.3	2810.6	2614.7	2528.8	2489.2
7.5°	5734.5	5375.7	4605.4	3799.9	2998.7	2391.3	1860.9	1519.7	1372.3	1349.2	1291.9
10°	5736.7	5242.6	4136.6	2994.3	2010.5	1441.6	1109.3	933.2	868.3	857.3	838.5
12.5°	5741.1	5085.2	3616.1	2217.4	1340.4	964.0	802.2	743.9	726.3	725.2	725.2
15°	5754.3	4920.1	3075.8	1597.9	962.9	763.7	704.3	681.2	674.6	677.9	676.8
17.5°	5754.3	4725.3	2545.3	1190.7	778.0	686.7	653.7	638.3	636.1	639.4	640.5
20°	5712.4	4488.7	2058.9	926.6	690.0	637.2	607.4	593.1	587.6	589.8	590.9
22.5°	5612.3	4198.2	1662.8	767.0	631.7	592.0	560.1	538.1	529.3	530.4	530.4
25°	5456.0	3853.8	1300.7	663.6	584.3	543.6	506.2	480.9	475.4	474.3	476.5
27.5°	5255.8	3473.0	1035.5	584.3	528.2	489.7	452.3	431.4	427.0	428.1	429.2
30°	5058.8	3078.0	816.5	517.2	465.5	429.2	400.6	390.7	390.7	394.0	395.1
32.5°	4878.3	2698.3	646.0	458.9	409.4	376.4	359.8	358.7	364.2	366.5	367.6
35°	4723.1	2347.3	534.8	413.8	365.4	336.7	331.2	335.6	342.2	346.6	347.7
37.5°	4613.1	2033.6	467.7	376.4	331.2	308.1	307.0	315.8	324.6	334.5	336.7
40°	4566.9	1768.4	421.5	343.3	303.7	286.1	282.8	294.9	311.4	325.7	327.9
42.5°	4528.4	1551.6	381.9	311.4	281.7	256.4	255.3	270.7	290.5	304.8	308.1
45°	4495.3	1377.8	345.5	277.3	253.1	220.1	223.4	243.2	258.6	274.0	277.3
47.5°	4427.1	1234.7	305.9	241.0	209.1	188.2	194.8	212.4	224.5	247.6	250.9
50°	4305.0	1118.1	265.2	197.0	170.6	162.9	172.8	184.9	200.3	220.1	222.3
52.5°	4222.4	1030.0	230.0	165.1	140.9	143.1	153.0	157.4	166.2	173.9	171.7
55°	4175.1	981.6	201.4	143.1	119.9	126.6	128.8	123.3	118.8	111.1	107.8
57.5°	4169.6	937.6	179.4	124.4	105.6	108.9	101.2	82.5	67.1	58.3	56.1
60°	4160.8	883.7	161.8	104.5	93.5	89.1	72.6	45.1	31.9	29.7	29.7
62.5°	4065.1	800.0	148.6	88.0	79.2	67.1	41.8	20.9	17.6	18.7	18.7
65°	3760.2	683.4	135.4	71.5	62.7	48.4	20.9	12.1	6.6	7.7	7.7
67.5°	3196.8	544.7	121.0	55.0	47.3	30.8	12.1	5.5	0.0	0.0	0.0
70°	2140.4	337.8	102.3	38.5	30.8	18.7	8.8	1.1	0.0	0.0	0.0
72.5°	820.9	182.7	82.5	23.1	19.8	13.2	5.5	0.0	0.0	0.0	0.0
75°	184.9	119.9	57.2	16.5	14.3	8.8	2.2	0.0	0.0	0.0	0.0
77.5°	70.4	86.9	33.0	11.0	9.9	5.5	0.0	0.0	0.0	0.0	0.0
80°	34.1	51.7	15.4	6.6	5.5	2.2	0.0	0.0	0.0	0.0	0.0
82.5°	17.6	19.8	6.6	3.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.9	9.9	3.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.5	3.3	1.1	1.1	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)