

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: P323542

Luminaire Tested: **GAN-SA8D-740-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323542
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8D-740-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53125 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

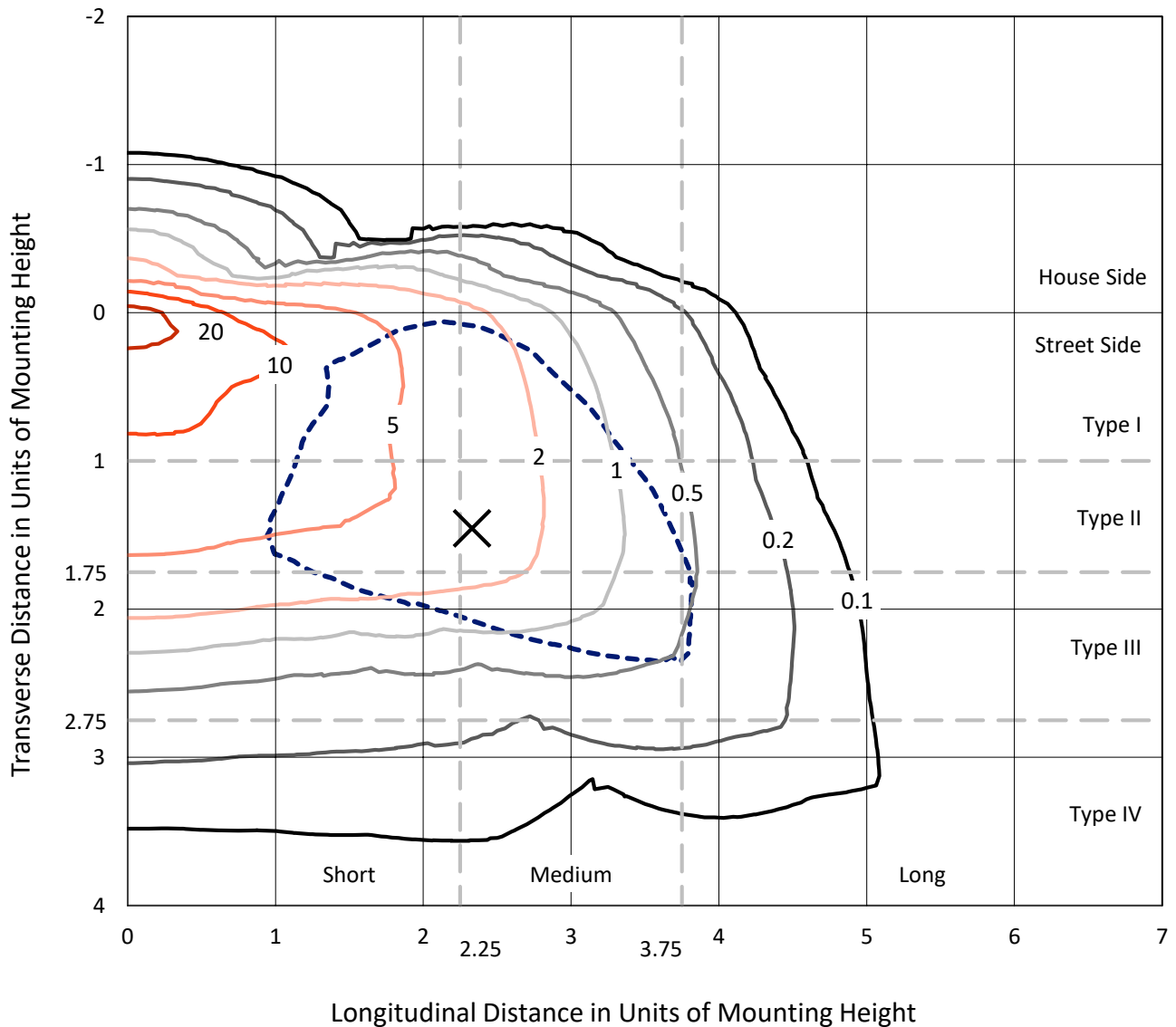
Input Watts (W): 511
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

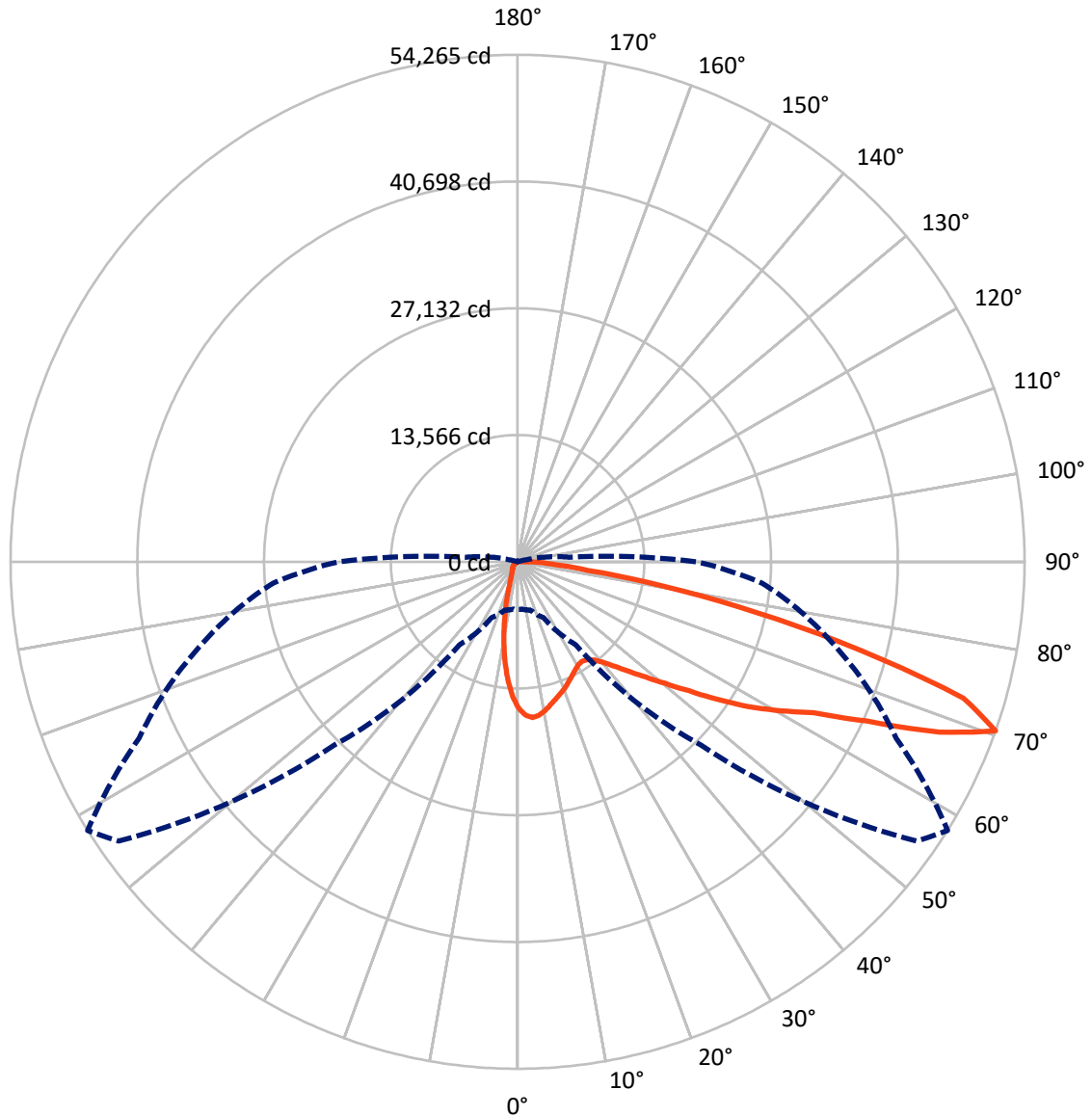
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4546.3	0.0	4546.3
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	48578.7	0.0	48578.7
	% Fixture	91.4	0.0	91.4
Total	Lumens	53125.0	0.0	53125.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1283.3	2.4
10°-20°	2693.3	5.1
20°-30°	3540.8	6.7
30°-40°	4689.3	8.8
40°-50°	7009.1	13.2
50°-60°	11228.3	21.1
60°-70°	14153.2	26.6
70°-80°	7634.2	14.4
80°-90°	893.6	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°	53125.0	100.0
0°-180°	53125.0	100.0

Coefficient of Utilization

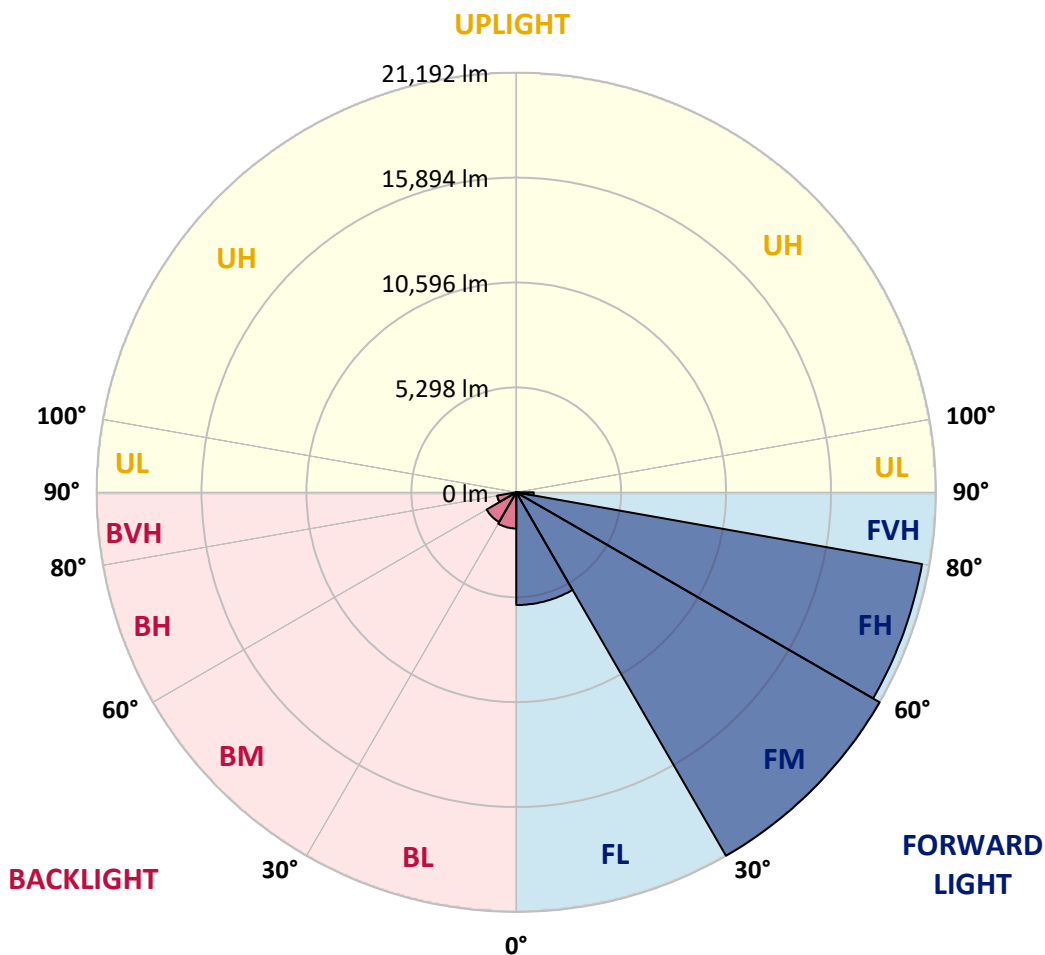


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5690.8	10.7			
FM (30°-60°)	21192.4	39.9			
FH (60°-80°)	20809.6	39.2			G5
FVH (80°-90°)	885.9	1.7			G5
BL (0°-30°)	1826.5	3.4	B3/2500		
BM (30°-60°)	1734.4	3.3	B2/2500		
BH (60°-80°)	977.7	1.8	B2/1000		G2/1000
BVH (80°-90°)	7.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	15692.9	15692.9	15692.9	15692.9	15692.9	15692.9	15692.9	15692.9	15692.9	15692.9	15692.9
2.5°	16994.0	16952.0	16936.6	16910.0	16808.4	16709.0	16512.4	16457.2	16333.5	16039.7	15728.2
5°	17007.2	17005.0	17051.4	17040.4	17005.0	16958.6	16817.3	16744.4	16534.5	16114.8	15544.9
7.5°	16187.7	16229.7	16333.5	16417.4	16514.6	16640.5	16658.2	16587.5	16415.2	15962.4	15206.9
10°	15087.6	15153.9	15299.7	15465.3	15719.4	15971.2	16196.5	16187.7	16128.1	15681.8	14800.4
12.5°	13985.3	14062.6	14230.5	14475.7	14835.8	15246.7	15648.7	15703.9	15803.3	15430.0	14424.9
15°	13020.0	13086.2	13251.9	13552.3	13998.6	14550.8	15140.6	15242.2	15498.5	15233.4	14111.2
17.5°	12200.4	12242.4	12363.9	12697.4	13214.4	13883.7	14650.2	14849.0	15231.2	15078.8	13839.5
20°	11628.3	11634.9	11714.4	11948.6	12465.5	13214.4	14142.1	14427.1	14948.4	14946.2	13559.0
22.5°	11345.5	11323.4	11338.9	11473.6	11853.6	12575.9	13634.1	13972.0	14694.4	14833.6	13274.0
25°	11292.5	11274.8	11230.7	11248.3	11478.1	12017.1	13121.6	13512.6	14471.3	14765.1	13026.6
27.5°	11458.2	11475.9	11400.7	11321.2	11338.9	11654.8	12666.5	13119.4	14290.1	14765.1	12852.1
30°	11791.7	11800.6	11745.4	11641.5	11502.4	11553.2	12350.6	12803.5	14199.6	14866.7	12741.6
32.5°	12160.7	12209.3	12202.6	12118.7	11919.9	11714.4	12275.5	12688.6	14192.9	15092.0	12730.6
35°	12617.9	12673.1	12765.9	12748.3	12540.6	12202.6	12531.8	12856.5	14323.3	15463.1	12849.9
37.5°	13103.9	13187.8	13386.7	13481.6	13346.9	12964.7	13106.1	13338.1	14672.3	16064.0	13152.5
40°	13574.4	13669.4	14031.7	14405.0	14303.4	13910.2	13976.5	14162.0	15293.0	16927.7	13726.8
42.5°	14036.1	14177.5	14709.9	15324.0	15445.5	15131.8	15167.1	15315.1	16214.2	18116.2	14665.7
45°	14588.4	14747.4	15536.0	16293.7	16618.5	16481.5	16631.7	16728.9	17418.1	19686.8	15931.4
47.5°	15399.1	15582.4	16550.0	17413.7	17983.6	18072.0	18374.6	18438.7	18940.1	21515.8	17581.6
50°	16980.7	17031.5	17906.3	18690.5	19512.3	20042.4	20387.0	20435.6	20782.5	23515.0	19642.6
52.5°	18971.1	19004.2	19499.0	20024.8	20959.2	22041.6	22847.9	22916.4	22989.3	25463.4	21677.1
55°	20948.1	20943.7	21270.6	21579.9	22649.1	24221.9	25971.4	26013.4	25489.9	27312.3	23232.3
57.5°	22183.0	22302.3	22799.3	23196.9	24690.2	26707.0	29134.8	29289.4	28116.4	28681.9	24769.7
60°	21789.8	21847.2	22949.5	24420.7	27232.8	30239.3	32335.6	32375.4	30091.3	30049.3	26713.7
62.5°	18564.6	18595.5	20327.4	23360.4	28520.6	34820.8	36197.0	35549.7	32362.1	31946.8	29039.8
65°	12724.0	12925.0	14371.9	18120.6	26154.8	37694.7	42174.6	41103.2	35823.7	34681.6	31142.8
67.5°	7493.0	7451.0	8166.7	10928.0	19209.6	35786.1	49736.1	48671.3	40544.3	36512.9	30526.4
70°	5118.3	5089.6	5363.5	6616.0	10844.1	27760.7	52115.2	54264.6	44712.8	35280.2	26271.9
72.5°	3653.7	3669.2	4073.4	5140.4	6808.2	16174.4	44816.6	49904.0	43407.2	30756.2	19969.5
75°	2480.7	2522.7	3101.5	4217.0	5968.8	8228.6	31803.3	37935.5	35346.5	22353.1	11478.1
77.5°	1334.2	1380.6	2063.2	3397.5	5396.6	5716.9	20457.7	26108.4	22202.9	10048.8	3326.8
80°	556.7	583.2	965.3	2469.7	4663.2	5021.1	12036.9	15832.0	9461.2	1981.5	742.2
82.5°	240.8	254.0	402.0	1473.4	3485.8	4239.1	6373.0	7616.7	2867.3	435.2	373.3
85°	46.4	48.6	165.7	779.8	2224.5	2392.4	4130.9	4049.1	1287.9	187.8	271.7
87.5°	0.0	0.0	39.8	245.2	653.9	1303.3	2520.5	2489.6	437.4	90.6	101.6
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°	15692.9	15692.9	15692.9	15692.9	15692.9	15692.9	15692.9	15692.9	15692.9	15692.9	15692.9
2.5°	15569.2	15416.7	15096.4	14701.0	14398.4	14064.8	13799.7	13464.0	13318.2	13324.8	13245.3
5°	15220.1	14906.5	14197.4	13302.7	12613.5	11902.2	11290.3	10680.6	10320.5	10203.5	10093.0
7.5°	14720.9	14223.9	13092.9	11714.4	10548.1	9408.2	8416.4	7543.8	6991.5	6722.0	6622.6
10°	14157.6	13459.6	11822.7	10006.9	8341.3	6799.4	5513.7	4395.9	3949.7	3647.1	3569.8
12.5°	13662.8	12717.3	10581.2	8255.1	6278.0	4418.0	3192.0	2496.2	2193.6	2074.3	2054.4
15°	13196.7	12023.7	9386.1	6669.0	4347.4	2719.3	2030.1	1793.7	1723.0	1703.2	1703.2
17.5°	12757.1	11363.2	8217.6	5107.3	2876.1	1906.4	1681.1	1628.0	1606.0	1603.7	1606.0
20°	12297.6	10702.7	7068.9	3742.1	2008.0	1614.8	1552.9	1524.2	1517.6	1517.6	1517.6
22.5°	11858.0	10042.2	5951.1	2672.9	1610.4	1473.4	1442.5	1422.6	1416.0	1413.8	1409.4
25°	11436.1	9414.8	4859.8	1888.7	1413.8	1349.7	1323.2	1296.7	1276.8	1265.8	1259.1
27.5°	11089.3	8856.0	3843.7	1515.4	1276.8	1221.6	1188.5	1148.7	1100.1	1078.0	1069.2
30°	10813.1	8345.7	2962.3	1279.0	1148.7	1093.5	1042.7	974.2	903.5	865.9	863.7
32.5°	10596.7	7844.2	2248.8	1131.0	1033.8	965.3	892.4	806.3	724.6	682.6	680.4
35°	10490.6	7402.4	1718.6	1022.8	932.2	846.1	755.5	660.5	581.0	541.2	536.8
37.5°	10561.3	7029.1	1340.9	932.2	846.1	746.6	640.6	541.2	470.5	435.2	433.0
40°	10819.8	6790.5	1089.0	854.9	773.2	651.7	536.8	444.0	384.4	355.7	353.4
42.5°	11369.8	6702.2	930.0	790.8	702.5	563.3	446.2	366.7	311.5	291.6	287.2
45°	12288.8	6832.5	821.8	729.0	629.6	479.4	368.9	300.4	251.8	236.4	234.2
47.5°	13512.6	7174.9	744.4	669.3	563.3	404.3	307.1	243.0	205.4	190.0	187.8
50°	15089.8	7718.3	680.4	609.7	501.4	342.4	254.0	192.2	159.0	148.0	148.0
52.5°	16806.2	8365.6	622.9	554.5	439.6	285.0	205.4	148.0	125.9	112.7	112.7
55°	18224.4	8931.1	561.1	512.5	364.5	236.4	156.8	112.7	92.8	86.2	86.2
57.5°	19640.4	9534.1	490.4	439.6	291.6	192.2	119.3	83.9	68.5	64.1	64.1
60°	21476.1	10271.9	421.9	357.9	229.7	145.8	88.4	59.6	50.8	48.6	48.6
62.5°	23495.1	10704.9	360.1	287.2	178.9	108.2	64.1	39.8	37.6	37.6	35.3
65°	24730.0	10093.0	302.6	229.7	139.2	81.7	42.0	28.7	33.1	30.9	26.5
67.5°	23154.9	7901.7	247.4	178.9	108.2	61.9	26.5	19.9	35.3	28.7	22.1
70°	19172.1	5531.4	192.2	125.9	86.2	53.0	17.7	13.3	37.6	28.7	17.7
72.5°	14347.6	3702.3	152.4	83.9	64.1	46.4	15.5	6.6	33.1	24.3	15.5
75°	7839.8	1491.1	121.5	53.0	39.8	33.1	11.0	4.4	22.1	17.7	11.0
77.5°	2063.2	393.2	88.4	35.3	22.1	13.3	6.6	2.2	11.0	8.8	4.4
80°	525.7	152.4	57.4	24.3	15.5	6.6	0.0	0.0	2.2	0.0	0.0
82.5°	280.5	64.1	35.3	17.7	8.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	212.1	42.0	19.9	11.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	81.7	13.3	6.6	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)