

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: P323534

Luminaire Tested: **GAN-SA0C-740-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323534
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-SA0C-740-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 4000K, 1050mA 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: 59810 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

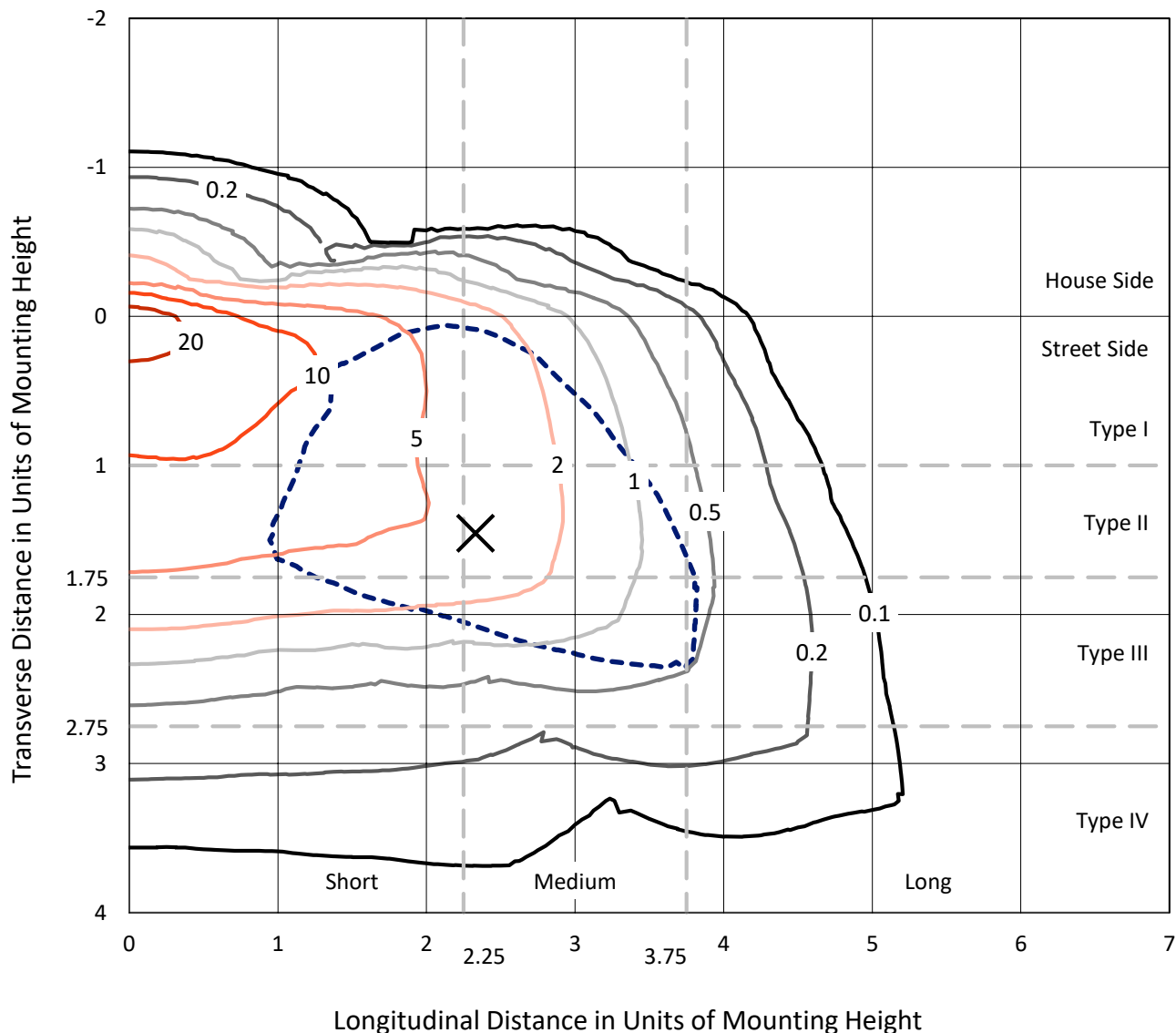
Input Watts (W): 558
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

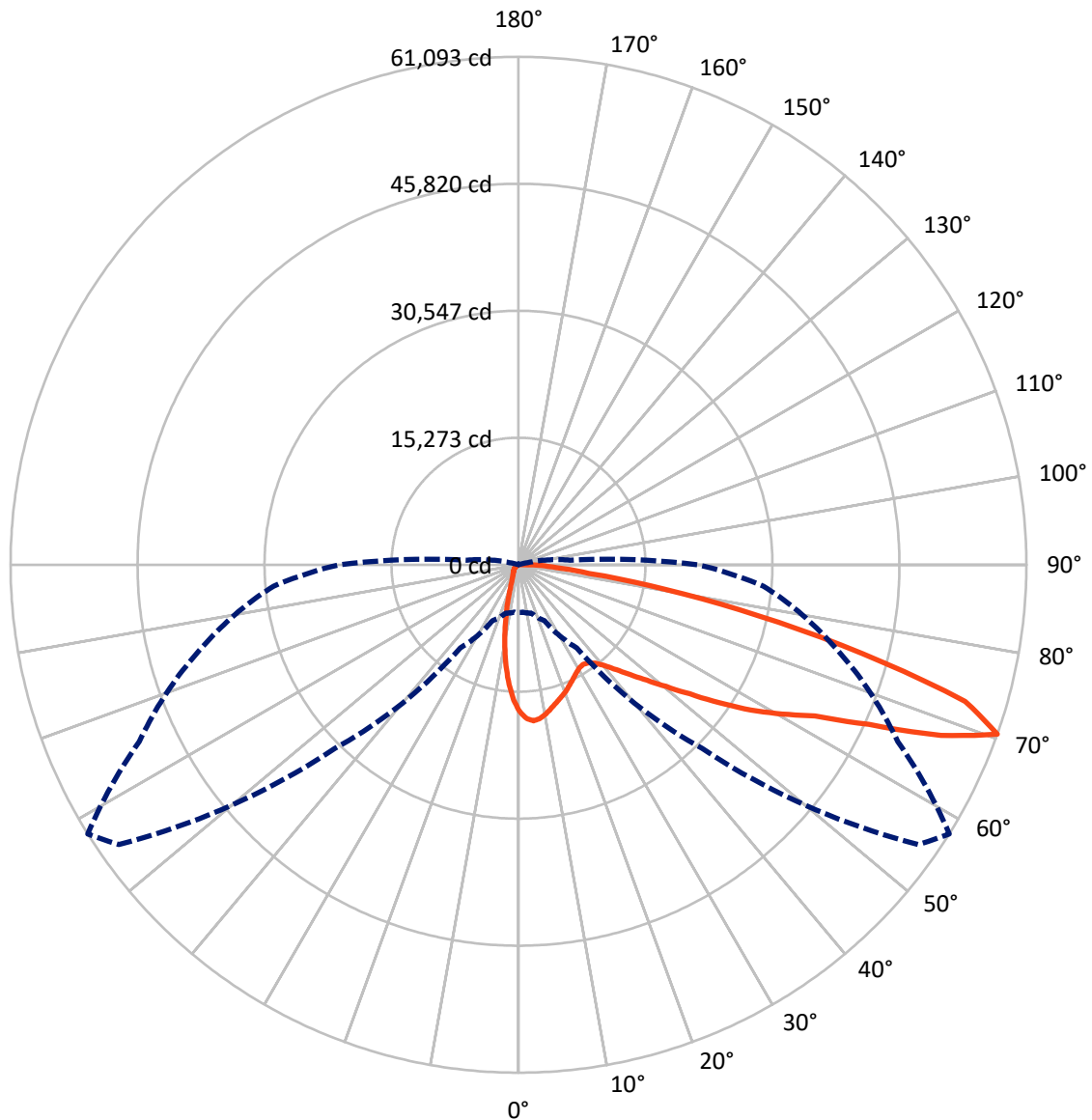
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 28.7 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	5118.4	0.0	5118.4
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	54691.6	0.0	54691.6
	% Fixture	91.4	0.0	91.4
Total	Lumens	59810.0	0.0	59810.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1444.8	2.4
10°-20°	3032.2	5.1
20°-30°	3986.3	6.7
30°-40°	5279.4	8.8
40°-50°	7891.1	13.2
50°-60°	12641.2	21.1
60°-70°	15934.1	26.6
70°-80°	8594.8	14.4
80°-90°	1006.0	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°	59810.0	100.0
0°-180°	59810.0	100.0

Coefficient of Utilization

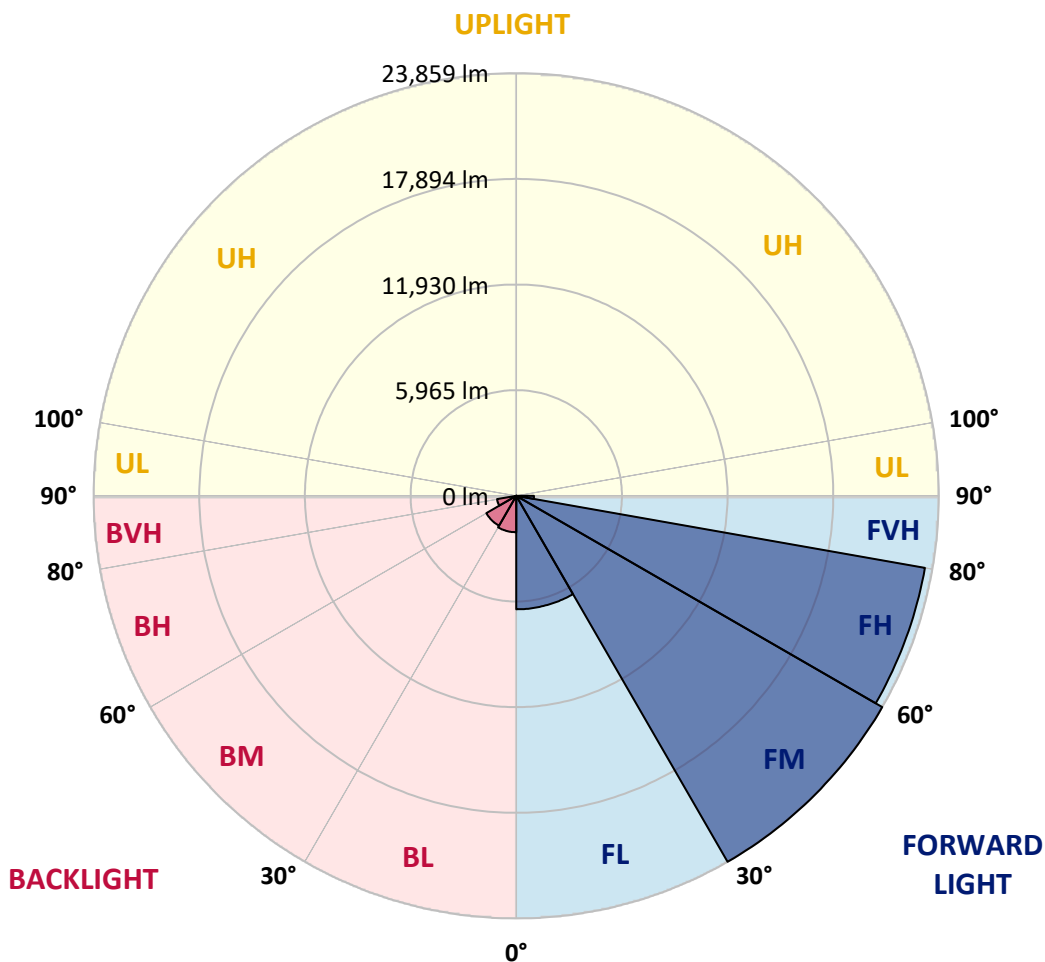


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6406.9	10.7			
FM (30°-60°)	23859.1	39.9			
FH (60°-80°)	23428.2	39.2			G5
FVH (80°-90°)	997.4	1.7			G5
BL (0°-30°)	2056.4	3.4	B3/2500		
BM (30°-60°)	1952.6	3.3	B2/2500		
BH (60°-80°)	1100.7	1.8	B3/2500		G3/2500
BVH (80°-90°)	8.7	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°	17667.6	17667.6	17667.6	17667.6	17667.6	17667.6	17667.6	17667.6	17667.6	17667.6	17667.6
2.5°	19132.4	19085.2	19067.8	19037.9	18923.5	18811.6	18590.3	18528.1	18388.8	18058.0	17707.4
5°	19147.4	19144.9	19197.1	19184.7	19144.9	19092.6	18933.5	18851.4	18615.1	18142.6	17501.0
7.5°	18224.7	18271.9	18388.8	18483.3	18592.8	18734.5	18754.4	18674.8	18480.8	17971.0	17120.5
10°	16986.2	17060.8	17224.9	17411.4	17697.4	17981.0	18234.6	18224.7	18157.5	17655.2	16662.8
12.5°	15745.1	15832.2	16021.2	16297.3	16702.6	17165.2	17617.9	17680.0	17791.9	17371.6	16240.1
15°	14658.3	14732.9	14919.5	15257.7	15760.1	16381.8	17045.8	17160.2	17448.7	17150.3	15886.9
17.5°	13735.7	13782.9	13919.7	14295.2	14877.2	15630.7	16493.7	16717.6	17147.8	16976.2	15581.0
20°	13091.5	13099.0	13188.5	13452.1	14034.1	14877.2	15921.7	16242.5	16829.5	16827.0	15265.2
22.5°	12773.2	12748.3	12765.7	12917.4	13345.2	14158.4	15349.7	15730.2	16543.5	16700.2	14944.3
25°	12713.5	12693.6	12643.9	12663.8	12922.4	13529.2	14772.7	15212.9	16292.3	16623.1	14665.8
27.5°	12900.0	12919.9	12835.4	12745.8	12765.7	13121.4	14260.4	14770.2	16088.4	16623.1	14469.3
30°	13275.6	13285.5	13223.3	13106.4	12949.8	13007.0	13904.8	14414.6	15986.4	16737.5	14345.0
32.5°	13690.9	13745.6	13738.1	13643.6	13419.8	13188.5	13820.2	14285.3	15978.9	16991.1	14332.5
35°	14205.7	14267.9	14372.3	14352.4	14118.7	13738.1	14108.7	14474.3	16125.7	17408.9	14466.8
37.5°	14752.8	14847.3	15071.2	15178.1	15026.4	14596.2	14755.3	15016.5	16518.6	18085.4	14807.6
40°	15282.6	15389.5	15797.4	16217.7	16103.3	15660.6	15735.2	15944.1	17217.4	19057.8	15454.2
42.5°	15802.3	15961.5	16560.9	17252.3	17389.0	17035.9	17075.7	17242.3	18254.5	20395.8	16511.1
45°	16424.1	16603.2	17491.0	18344.1	18709.6	18555.4	18724.6	18834.0	19609.9	22164.1	17936.2
47.5°	17336.8	17543.2	18632.5	19605.0	20246.6	20346.1	20686.8	20758.9	21323.5	24223.3	19794.0
50°	19117.5	19174.7	20159.6	21042.4	21967.6	22564.5	22952.4	23007.2	23397.6	26474.0	22114.3
52.5°	21358.3	21395.6	21952.7	22544.6	23596.6	24815.2	25723.0	25800.1	25882.1	28667.6	24404.9
55°	23584.1	23579.2	23947.2	24295.4	25499.1	27269.9	29239.6	29286.8	28697.4	30749.2	26155.7
57.5°	24974.4	25108.7	25668.2	26115.9	27797.1	30067.7	32800.9	32975.0	31654.4	32291.1	27886.6
60°	24531.7	24596.4	25837.4	27493.7	30659.6	34044.4	36404.6	36449.4	33877.8	33830.6	30075.2
62.5°	20900.7	20935.5	22885.3	26299.9	32109.6	39202.5	40751.9	40023.2	36434.4	35966.9	32694.0
65°	14325.1	14551.4	16180.4	20400.8	29446.0	42438.0	47481.7	46275.5	40331.5	39045.8	35061.6
67.5°	8435.9	8388.6	9194.4	12303.1	21626.9	40289.3	55994.6	54795.9	45646.3	41107.5	34367.7
70°	5762.4	5730.0	6038.4	7448.5	12208.6	31254.0	58673.1	61093.0	50339.2	39719.7	29577.8
72.5°	4113.5	4130.9	4586.0	5787.2	7664.9	18209.8	50456.1	56183.6	48869.4	34626.4	22482.4
75°	2792.9	2840.1	3491.7	4747.7	6719.9	9264.0	35805.2	42709.1	39794.4	25165.9	12922.4
77.5°	1502.1	1554.4	2322.9	3825.0	6075.7	6436.3	23032.0	29393.8	24996.8	11313.3	3745.4
80°	626.7	656.6	1086.8	2780.5	5250.0	5652.9	13551.6	17824.3	10651.8	2230.8	835.6
82.5°	271.1	286.0	452.6	1658.8	3924.5	4772.5	7175.0	8575.1	3228.1	489.9	420.3
85°	52.2	54.7	186.5	877.9	2504.4	2693.4	4650.7	4558.7	1449.9	211.4	305.9
87.5°	0.0	0.0	44.8	276.1	736.1	1467.3	2837.7	2802.8	492.4	102.0	114.4
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°	17667.6	17667.6	17667.6	17667.6	17667.6	17667.6	17667.6	17667.6	17667.6	17667.6	17667.6
2.5°	17528.3	17356.7	16996.1	16550.9	16210.2	15834.7	15536.2	15158.2	14994.1	15001.5	14912.0
5°	17135.4	16782.2	15983.9	14976.7	14200.7	13399.9	12711.0	12024.6	11619.2	11487.4	11363.1
7.5°	16573.3	16013.7	14740.4	13188.5	11875.4	10592.1	9475.4	8493.1	7871.3	7567.9	7456.0
10°	15939.1	15153.2	13310.4	11266.1	9390.9	7655.0	6207.5	4949.1	4446.7	4106.0	4019.0
12.5°	15382.0	14317.6	11912.7	9293.9	7068.0	4974.0	3593.7	2810.3	2469.6	2335.3	2312.9
15°	14857.3	13536.7	10567.2	7508.2	4894.4	3061.5	2285.5	2019.4	1939.9	1917.5	1917.5
17.5°	14362.4	12793.1	9251.6	5749.9	3238.1	2146.3	1892.6	1832.9	1808.0	1805.6	1808.0
20°	13845.1	12049.5	7958.4	4213.0	2260.7	1818.0	1748.4	1716.0	1708.6	1708.6	1708.6
22.5°	13350.2	11305.9	6700.0	3009.3	1813.0	1658.8	1624.0	1601.6	1594.2	1591.7	1586.7
25°	12875.2	10599.6	5471.4	2126.4	1591.7	1519.6	1489.7	1459.9	1437.5	1425.0	1417.6
27.5°	12484.7	9970.4	4327.4	1706.1	1437.5	1375.3	1338.0	1293.2	1238.5	1213.7	1203.7
30°	12173.8	9395.9	3335.1	1440.0	1293.2	1231.1	1173.9	1096.8	1017.2	974.9	972.4
32.5°	11930.1	8831.3	2531.8	1273.3	1163.9	1086.8	1004.7	907.8	815.7	768.5	766.0
35°	11810.7	8333.9	1934.9	1151.5	1049.5	952.5	850.6	743.6	654.1	609.3	604.3
37.5°	11890.3	7913.6	1509.6	1049.5	952.5	840.6	721.2	609.3	529.7	489.9	487.5
40°	12181.3	7645.0	1226.1	962.5	870.4	733.7	604.3	499.9	432.7	400.4	397.9
42.5°	12800.5	7545.5	1047.0	890.3	790.9	634.2	502.4	412.8	350.7	328.3	323.3
45°	13835.1	7692.3	925.2	820.7	708.8	539.7	415.3	338.2	283.5	266.1	263.6
47.5°	15212.9	8077.7	838.1	753.6	634.2	455.1	345.7	273.6	231.3	213.9	211.4
50°	16988.6	8689.5	766.0	686.4	564.5	385.5	286.0	216.4	179.1	166.6	166.6
52.5°	18921.0	9418.2	701.3	624.2	494.9	320.8	231.3	166.6	141.8	126.8	126.8
55°	20517.7	10054.9	631.7	577.0	410.4	266.1	176.6	126.8	104.5	97.0	97.0
57.5°	22111.8	10733.9	552.1	494.9	328.3	216.4	134.3	94.5	77.1	72.1	72.1
60°	24178.5	11564.5	475.0	402.9	258.6	164.1	99.5	67.1	57.2	54.7	54.7
62.5°	26451.6	12052.0	405.4	323.3	201.4	121.9	72.1	44.8	42.3	42.3	39.8
65°	27841.9	11363.1	340.7	258.6	156.7	92.0	47.3	32.3	37.3	34.8	29.8
67.5°	26068.6	8896.0	278.5	201.4	121.9	69.6	29.8	22.4	39.8	32.3	24.9
70°	21584.6	6227.4	216.4	141.8	97.0	59.7	19.9	14.9	42.3	32.3	19.9
72.5°	16153.0	4168.2	171.6	94.5	72.1	52.2	17.4	7.5	37.3	27.4	17.4
75°	8826.3	1678.7	136.8	59.7	44.8	37.3	12.4	5.0	24.9	19.9	12.4
77.5°	2322.9	442.7	99.5	39.8	24.9	14.9	7.5	2.5	12.4	9.9	5.0
80°	591.9	171.6	64.7	27.4	17.4	7.5	0.0	0.0	2.5	0.0	0.0
82.5°	315.8	72.1	39.8	19.9	9.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	238.8	47.3	22.4	12.4	2.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	92.0	14.9	7.5	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)