

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: McGRAW-EDISON

Report Number: P200595

Luminaire Tested: **GWC-AF-01-LED-E1-SL2-8030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24286)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GWC-AF-01-LED-E1-SL2-8030-600
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3347 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 34
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: 25 FT

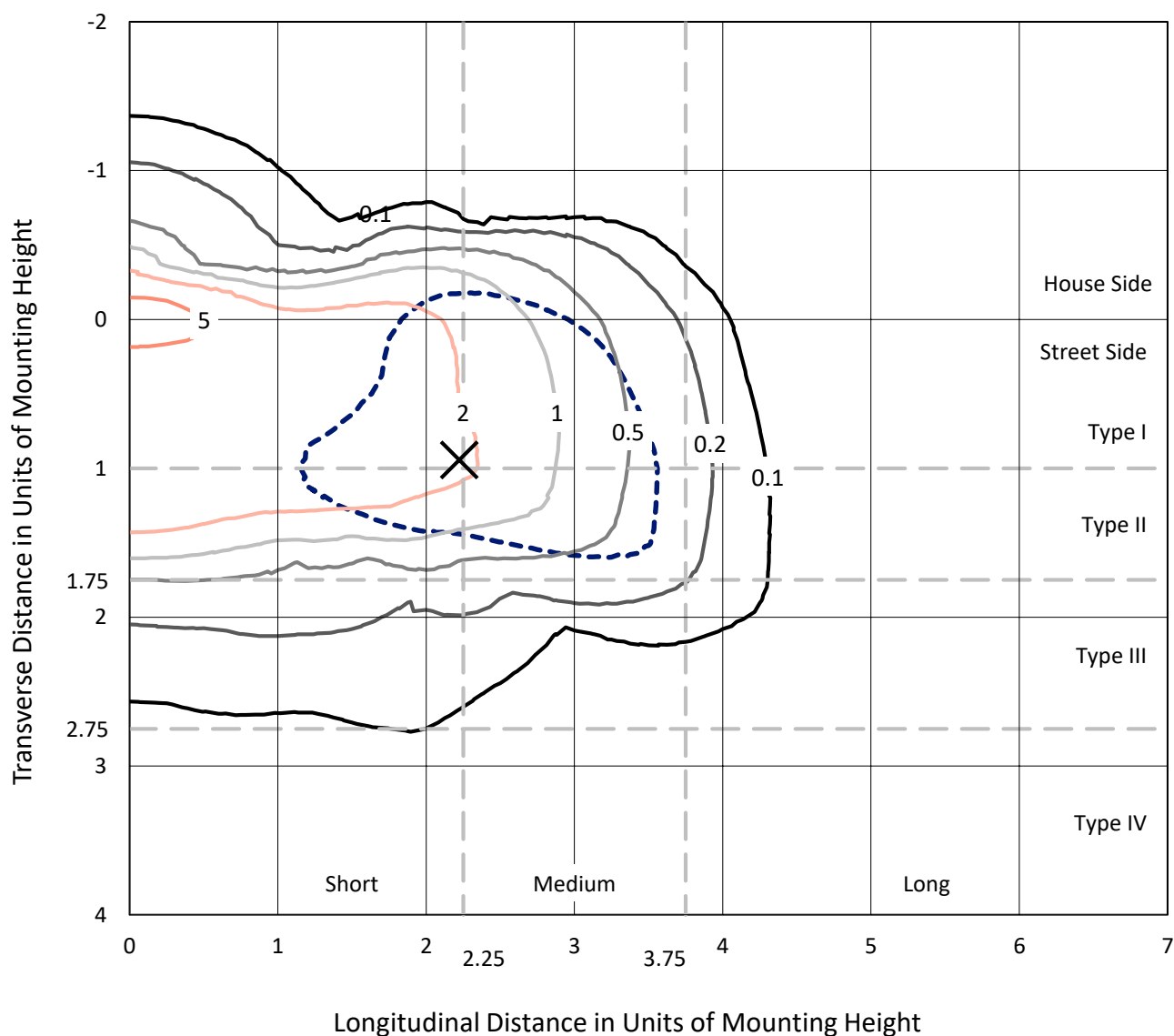


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

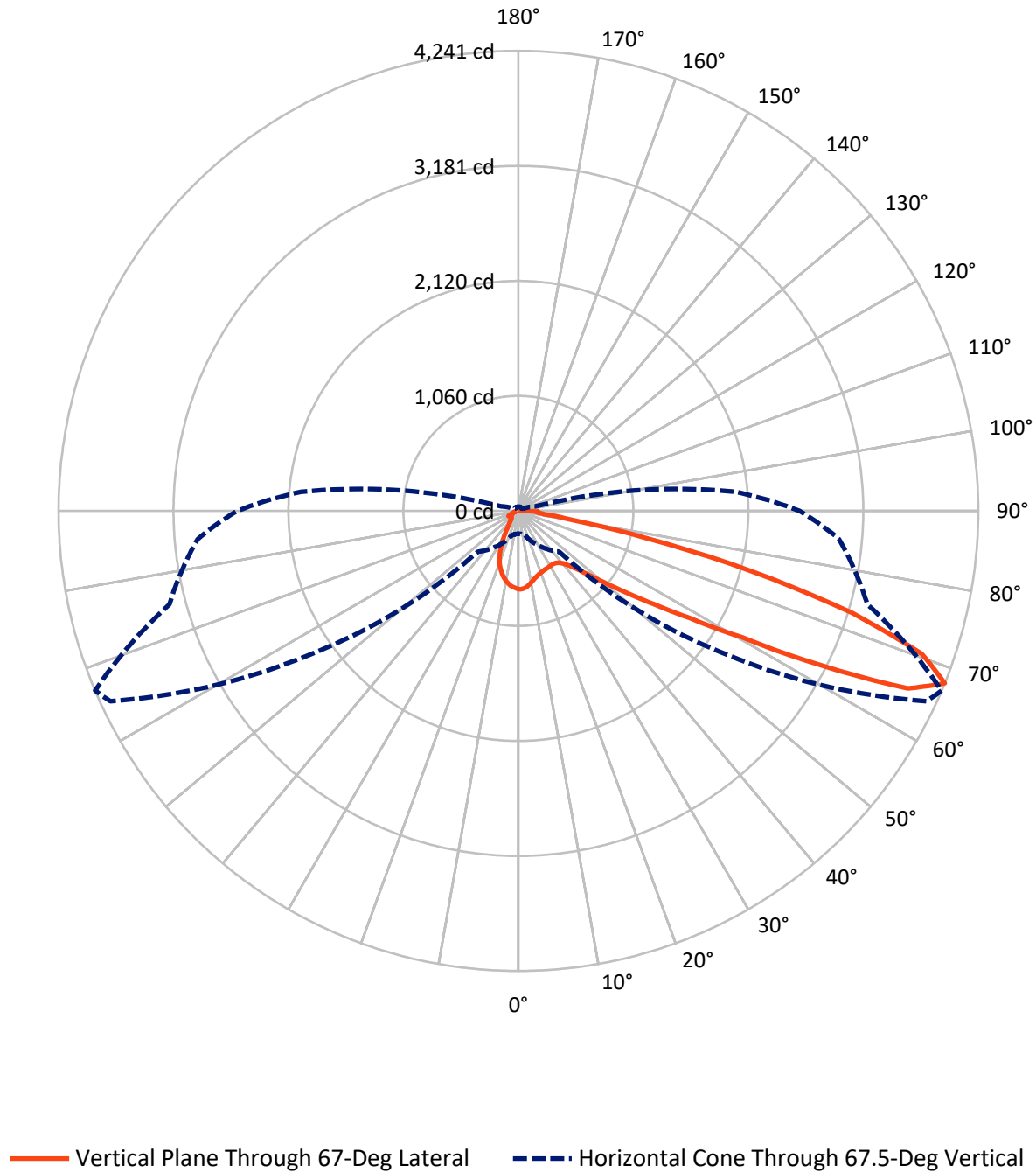


Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	554.6	0.0	554.6
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	2792.4	0.0	2792.4
	% Fixture	83.4	0.0	83.4
Total	Lumens	3347.0	0.0	3347.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.6	1.8
10°-20°	142.5	4.3
20°-30°	193.2	5.8
30°-40°	274.6	8.2
40°-50°	459.5	13.7
50°-60°	726.9	21.7
60°-70°	926.0	27.7
70°-80°	485.0	14.5
80°-90°	77.8	2.3
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°	3347.0	100.0
0°-180°	3347.0	100.0

Coefficient of Utilization



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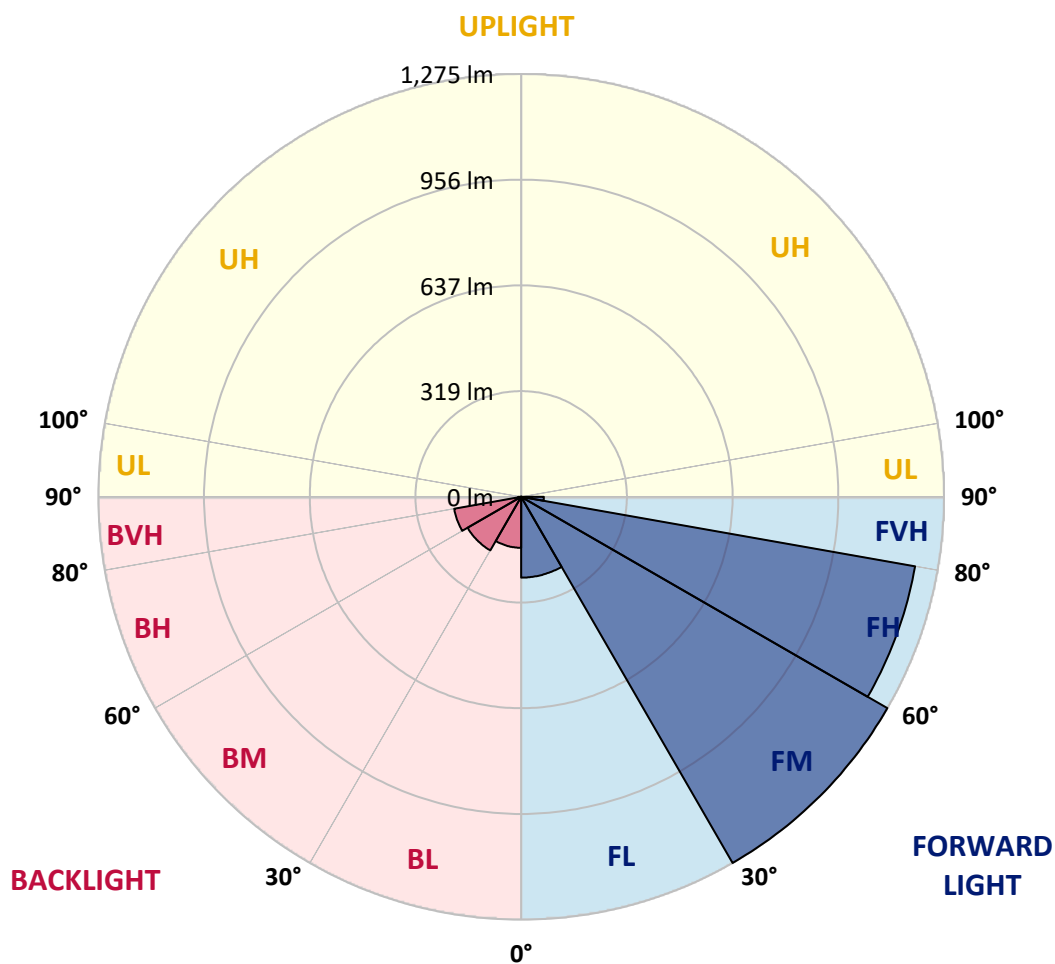
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	243.6	7.3			
FM	(30°-60°)	1274.6	38.1			
FH	(60°-80°)	1205.9	36.0			G1/1800
FVH	(80°-90°)	68.4	2.0			G1/100
BL	(0°-30°)	153.7	4.6	B1/500		
BM	(30°-60°)	186.3	5.6	B0/220		
BH	(60°-80°)	205.1	6.1	B1/500		G1/500
BVH	(80°-90°)	9.4	0.3			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9
2.5°	692.2	693.4	697.0	699.3	709.7	714.2	717.3	720.5	720.9	722.4	720.9
5°	619.6	622.1	628.9	636.4	656.6	672.4	689.1	706.4	709.6	720.8	723.9
7.5°	563.3	562.7	568.3	577.4	598.0	619.9	649.2	683.6	690.4	715.7	727.9
10°	522.2	521.7	527.7	537.1	556.7	577.5	610.5	657.7	667.3	707.6	731.7
12.5°	491.9	492.0	498.0	508.4	528.3	549.3	582.8	632.6	644.9	698.2	735.6
15°	471.7	473.0	477.8	488.9	508.4	529.3	562.2	613.8	627.5	690.7	740.1
17.5°	465.0	467.1	468.7	476.8	493.5	514.5	546.7	600.0	614.5	685.6	744.1
20°	471.2	473.7	470.6	473.4	483.9	502.4	534.4	589.1	603.9	679.9	744.6
22.5°	498.1	500.4	491.2	483.1	482.4	493.7	524.4	580.5	595.8	675.6	744.7
25°	545.5	547.0	531.5	512.7	494.3	490.5	517.3	574.5	590.9	671.8	741.6
27.5°	603.6	604.8	586.9	559.2	522.4	498.0	514.8	571.1	588.1	668.5	736.3
30°	674.2	679.7	655.8	620.8	567.1	519.9	519.8	569.3	584.9	662.9	725.9
32.5°	746.5	748.8	732.3	696.9	627.4	558.5	533.6	570.6	584.1	656.1	712.7
35°	819.8	822.8	812.1	783.5	709.7	615.2	560.7	578.3	589.2	653.8	703.5
37.5°	914.7	918.7	903.8	870.8	809.9	691.9	605.7	597.8	604.9	660.4	700.6
40°	1064.8	1062.9	1019.5	970.3	919.5	790.1	670.1	630.8	635.0	681.7	709.2
42.5°	1239.4	1234.9	1160.2	1082.9	1040.0	908.9	755.3	688.1	687.3	723.6	739.4
45°	1378.7	1375.1	1307.7	1212.5	1178.1	1044.3	865.4	773.4	767.3	790.1	795.2
47.5°	1454.1	1454.3	1415.5	1337.8	1336.9	1216.3	1006.8	896.9	886.3	897.1	891.6
50°	1427.7	1431.2	1427.0	1402.3	1481.8	1441.7	1191.5	1069.0	1047.8	1058.3	1037.4
52.5°	1300.0	1304.4	1328.8	1366.8	1542.7	1714.2	1462.9	1283.0	1258.2	1254.4	1231.1
55°	1073.5	1078.9	1128.8	1232.0	1492.1	1897.3	1891.0	1555.6	1516.2	1480.4	1470.5
57.5°	739.9	749.0	829.2	982.4	1328.2	1952.6	2400.9	1944.3	1864.1	1739.0	1741.3
60°	417.1	427.7	522.2	661.4	997.4	1892.5	2788.7	2533.1	2363.7	2041.9	2059.0
62.5°	265.2	276.6	348.4	459.5	598.5	1569.0	2947.7	3351.6	3136.5	2415.2	2432.0
65°	214.7	219.7	253.5	379.3	434.6	945.3	2827.0	4025.8	3945.6	2889.1	2810.5
67.5°	209.6	211.3	228.8	318.4	416.8	531.3	2254.9	4151.9	4240.9	3331.6	2968.1
70°	207.1	212.9	257.8	303.9	399.1	448.1	1355.1	3806.3	3946.7	3447.3	2758.4
72.5°	100.5	100.2	129.7	274.8	449.6	464.8	696.2	3079.7	3220.7	2986.6	2266.7
75°	81.0	74.1	70.8	100.7	432.3	480.0	443.7	2119.1	2221.1	2002.4	1393.4
77.5°	76.9	68.7	62.9	63.1	182.7	509.0	375.8	1172.9	1202.6	904.5	381.8
80°	63.7	56.1	52.0	58.6	88.5	484.8	406.4	530.8	487.1	222.2	127.1
82.5°	44.2	40.3	39.1	49.2	70.8	345.5	472.5	285.2	239.2	111.2	78.4
85°	28.2	24.1	26.7	35.8	55.1	159.4	486.7	222.3	176.8	70.6	44.2
87.5°	13.0	10.6	13.2	19.8	36.0	55.0	463.1	249.7	182.1	37.3	27.9
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°	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9
2.5°	722.3	719.1	716.7	712.0	706.9	702.0	697.5	691.9	690.2	688.8	691.1
5°	724.6	721.4	712.4	698.2	682.5	667.8	653.1	640.6	632.8	628.5	631.0
7.5°	728.0	723.6	704.8	678.7	650.5	624.7	598.2	576.9	561.2	553.8	555.9
10°	731.2	722.6	691.9	652.8	611.5	573.2	531.3	496.6	470.9	457.4	460.7
12.5°	732.5	718.8	673.9	620.4	563.8	507.7	446.0	394.1	357.2	343.6	340.8
15°	733.8	714.5	654.1	583.6	506.2	426.8	340.3	278.3	247.6	240.8	239.3
17.5°	734.2	707.1	631.7	543.7	438.7	330.6	232.7	193.3	193.4	204.3	205.7
20°	730.7	696.0	604.4	494.0	357.8	228.6	159.8	153.0	177.9	205.2	208.5
22.5°	722.8	681.3	573.6	436.1	265.2	150.5	123.6	131.1	163.2	196.6	200.4
25°	712.7	663.5	537.1	368.9	175.6	107.6	103.7	112.7	134.5	156.8	158.9
27.5°	699.0	642.4	496.1	292.0	114.1	88.6	91.3	97.4	106.3	116.2	117.2
30°	681.3	617.1	452.4	212.9	86.2	79.7	83.5	86.8	90.6	96.2	96.7
32.5°	661.0	592.9	407.5	147.1	76.4	75.1	78.1	79.7	82.7	86.2	86.5
35°	644.0	569.8	361.0	104.0	72.3	71.6	73.6	74.3	77.1	80.9	81.2
37.5°	634.3	550.9	312.9	83.8	69.5	68.5	69.7	69.7	73.6	79.2	80.1
40°	635.0	540.5	264.9	75.8	67.2	65.9	66.0	66.0	71.1	77.2	77.7
42.5°	652.9	543.2	222.3	72.6	65.4	63.9	63.1	63.5	67.8	71.8	72.1
45°	695.2	561.8	182.4	70.6	63.5	63.1	61.2	61.1	62.7	64.5	64.5
47.5°	764.5	598.6	155.3	69.3	62.1	61.9	59.7	57.6	57.4	58.1	58.1
50°	877.3	662.0	137.2	67.8	61.1	59.7	57.3	54.0	52.8	53.3	53.3
52.5°	1046.3	775.1	130.2	65.9	58.9	56.8	54.0	50.7	49.7	49.8	49.8
55°	1267.9	948.7	129.2	63.5	56.6	53.1	50.8	48.4	47.2	47.5	47.5
57.5°	1538.8	1188.9	146.9	59.9	53.5	49.5	48.2	46.5	45.7	46.2	46.0
60°	1868.1	1503.1	217.9	56.1	50.3	46.2	46.2	44.9	44.2	44.7	44.6
62.5°	2247.4	1864.1	306.3	53.3	47.0	43.6	44.2	43.6	42.9	43.2	43.1
65°	2583.7	2099.3	286.9	51.2	43.7	41.1	42.3	41.9	41.4	41.8	41.6
67.5°	2593.5	2012.2	161.1	48.9	40.6	38.6	40.3	40.1	39.8	40.1	39.9
70°	2314.5	1699.1	90.8	44.6	37.3	35.7	38.0	37.8	37.5	38.1	38.0
72.5°	1854.4	1232.9	66.4	39.3	34.0	32.5	35.2	35.0	35.0	36.0	35.5
75°	1067.1	634.5	53.0	33.7	30.5	29.4	31.7	31.9	32.2	33.5	32.5
77.5°	304.2	197.7	43.2	28.6	26.2	25.7	28.1	28.4	28.6	30.0	28.7
80°	113.1	91.1	35.7	23.9	21.5	21.6	23.8	24.3	24.4	25.9	24.3
82.5°	72.1	60.1	28.9	18.5	16.8	16.7	19.3	20.0	20.0	20.1	19.1
85°	42.1	36.0	21.8	13.4	11.9	11.4	14.4	15.5	15.0	14.7	14.0
87.5°	28.2	24.8	13.4	7.4	6.4	6.1	8.4	9.2	8.9	8.4	7.9
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)