

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: P200611

Luminaire Tested: **GWC-AF-01-LED-E1-SL3-8030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200611
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24288)
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-SL3-8030-600
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3417 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium - Non-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



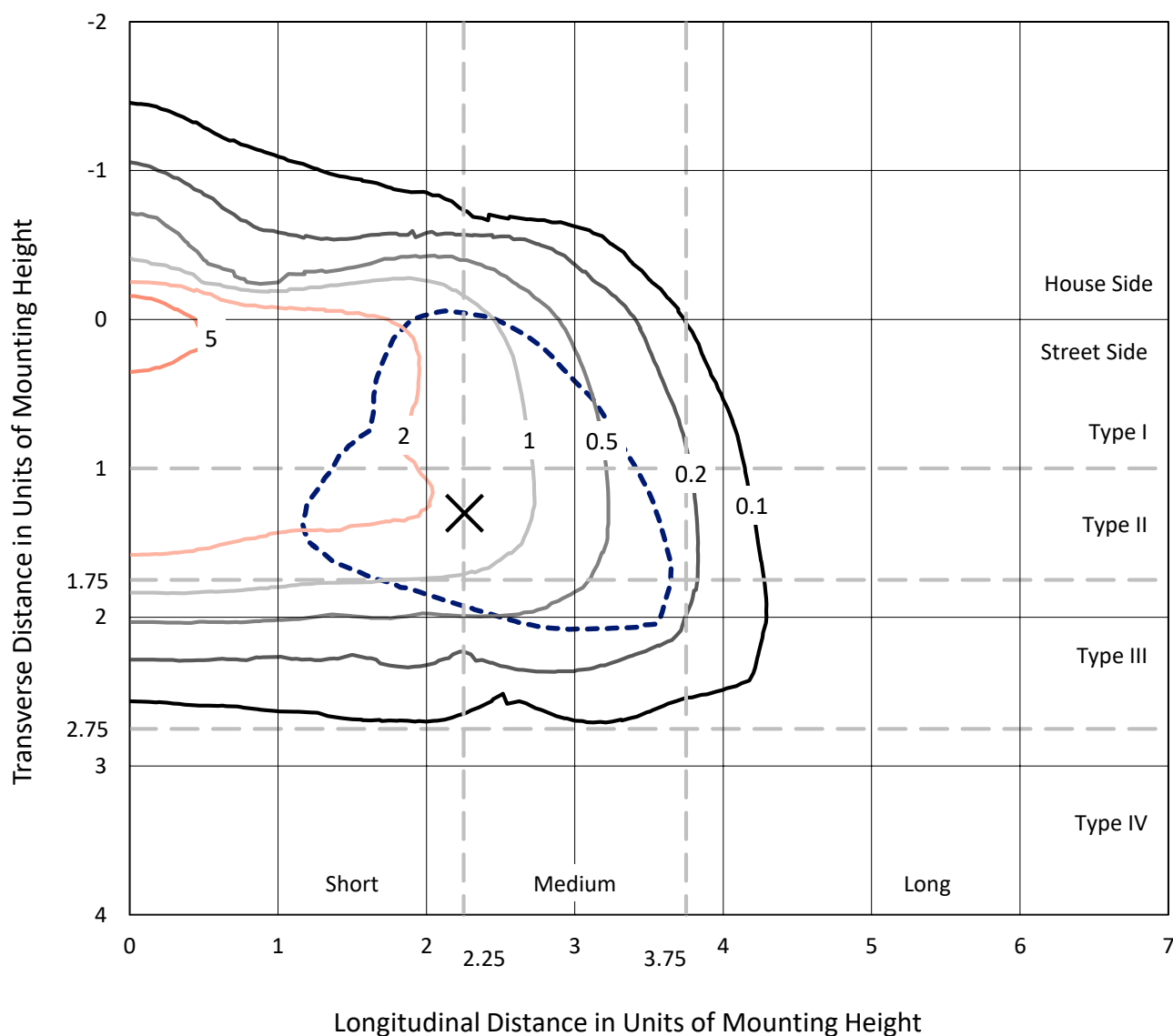
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

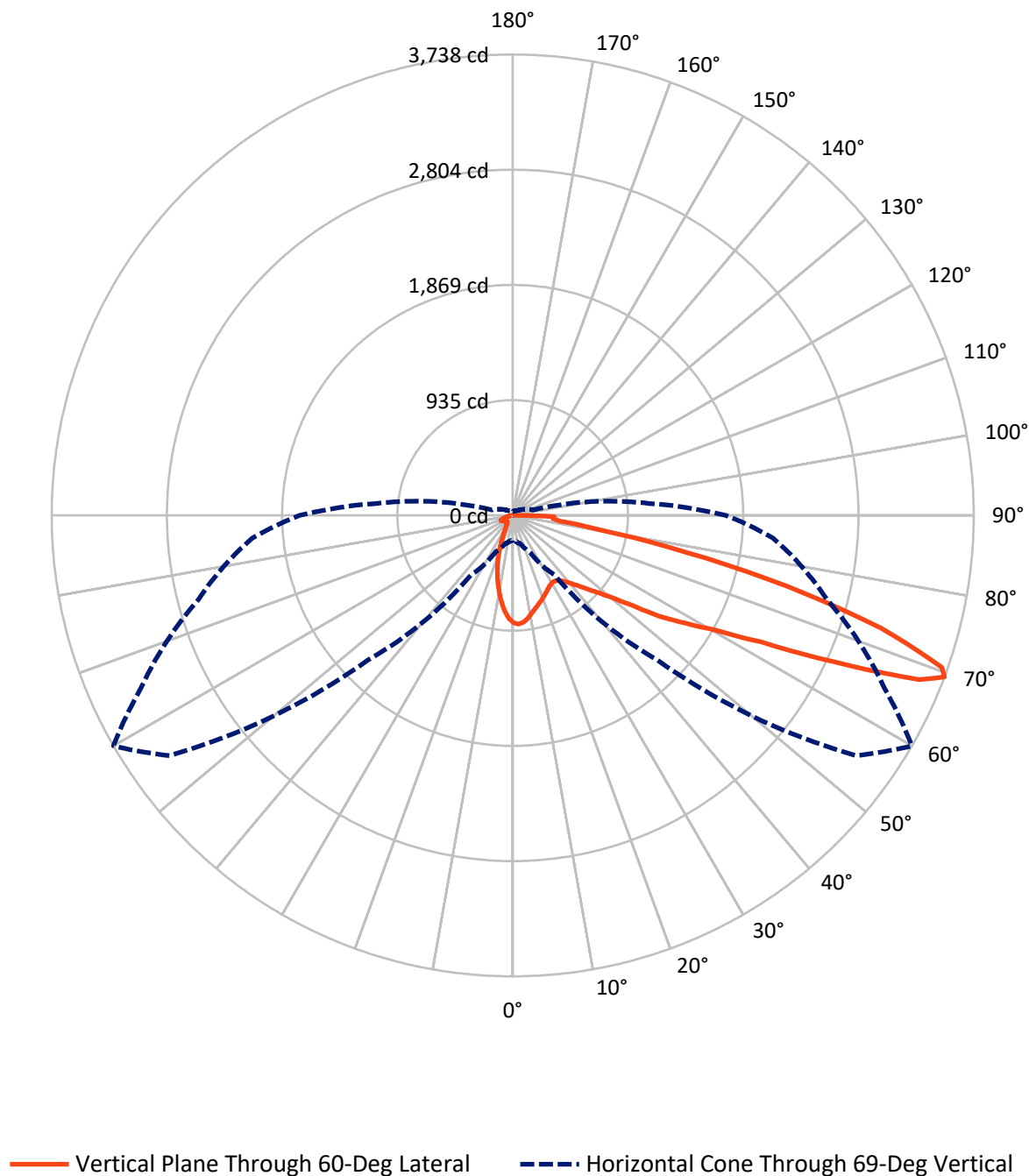


Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	486.1	0.0	486.1
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	2930.9	0.0	2930.9
	% Fixture	85.8	0.0	85.8
Total	Lumens	3417.0	0.0	3417.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.6	2.2
10°-20°	156.9	4.6
20°-30°	199.9	5.8
30°-40°	274.8	8.0
40°-50°	445.8	13.0
50°-60°	715.0	20.9
60°-70°	951.6	27.8
70°-80°	513.8	15.0
80°-90°	85.7	2.5
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°	3417.0	100.0
0°-180°	3417.0	100.0

Coefficient of Utilization



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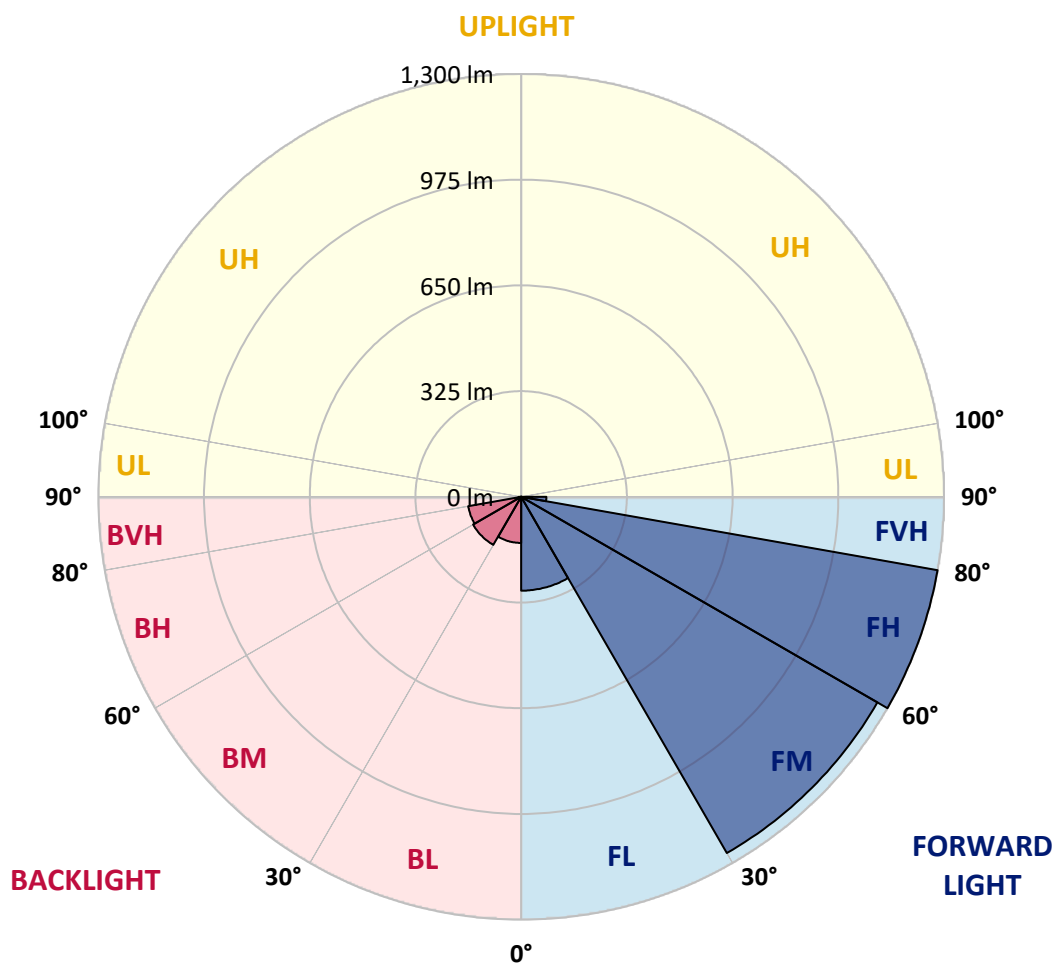
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	288.5	8.4			
FM	(30°-60°)	1264.8	37.0			
FH	(60°-80°)	1300.1	38.0			G1/1800
FVH	(80°-90°)	77.5	2.3			G1/100
BL	(0°-30°)	141.8	4.2	B1/500		
BM	(30°-60°)	170.8	5.0	B0/220		
BH	(60°-80°)	165.3	4.8	B1/500		G1/500
BVH	(80°-90°)	8.3	0.2			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	870.7	870.7	870.7	870.7	870.7	870.7	870.7	870.7	870.7	870.7	870.7
2.5°	888.5	890.5	889.7	889.2	890.7	888.4	883.6	882.1	879.8	874.3	865.1
5°	855.2	861.1	860.8	865.3	872.7	874.7	872.5	872.8	868.6	861.8	846.4
7.5°	797.6	800.1	801.4	811.1	824.7	835.5	844.8	847.8	845.8	840.0	820.2
10°	738.2	740.1	743.3	754.7	771.8	786.9	804.3	814.4	818.7	817.7	795.6
12.5°	687.2	689.1	693.3	706.1	726.6	745.1	770.5	783.1	793.3	799.4	775.6
15°	641.4	645.7	649.7	664.5	687.5	711.7	740.5	756.3	772.2	785.9	758.0
17.5°	605.8	610.1	612.4	625.9	650.3	680.1	713.7	732.4	752.2	774.6	740.5
20°	585.1	587.1	586.1	593.7	615.7	647.2	687.2	708.8	732.7	764.1	723.0
22.5°	579.4	579.5	575.9	575.1	589.3	615.8	658.8	685.0	714.4	757.1	708.0
25°	593.4	592.9	583.0	574.9	576.4	591.9	631.4	661.9	699.0	755.7	696.4
27.5°	624.6	626.1	611.4	596.2	581.2	580.7	610.6	642.8	686.5	762.4	691.4
30°	668.3	670.8	655.1	635.8	607.6	584.3	602.5	631.4	678.7	776.5	690.6
32.5°	716.2	718.8	707.0	686.7	649.7	606.8	608.1	632.4	678.4	796.1	696.2
35°	767.2	770.2	764.1	746.9	705.8	648.2	629.5	648.4	689.1	826.1	711.3
37.5°	824.2	828.8	830.4	814.1	770.2	702.8	664.7	678.7	713.4	867.9	738.8
40°	906.2	912.6	912.1	888.7	844.0	776.6	719.0	722.6	751.2	923.7	782.9
42.5°	1063.3	1064.7	1023.6	972.5	925.2	854.2	783.1	780.1	803.4	994.3	847.8
45°	1263.2	1257.8	1166.3	1067.8	1010.0	943.3	866.4	851.9	869.5	1080.5	929.0
47.5°	1429.1	1416.6	1301.0	1165.0	1099.8	1040.2	964.3	938.9	948.6	1178.2	1034.0
50°	1486.7	1477.3	1381.6	1245.9	1184.8	1158.4	1084.8	1048.8	1051.4	1294.7	1156.9
52.5°	1474.3	1473.0	1409.1	1299.2	1264.4	1282.5	1255.5	1206.8	1181.0	1424.2	1289.6
55°	1445.1	1447.9	1424.8	1361.3	1355.3	1402.4	1478.5	1442.5	1362.4	1554.7	1426.8
57.5°	1343.6	1350.9	1401.7	1439.3	1501.7	1571.7	1658.1	1647.8	1557.7	1695.8	1589.9
60°	1082.5	1099.3	1235.7	1424.2	1652.4	1871.3	1909.9	1886.2	1759.1	1871.0	1805.3
62.5°	758.5	776.0	938.0	1233.0	1627.7	2209.7	2360.2	2257.7	2048.3	2129.0	2084.1
65°	406.1	414.5	538.3	855.5	1374.1	2279.5	3018.3	2862.3	2506.1	2447.0	2322.6
67.5°	224.0	228.6	276.0	432.0	880.1	2007.3	3437.6	3555.4	3078.4	2658.8	2279.2
69°	202.5	206.8	237.9	327.2	588.9	1659.7	3396.7	3738.2	3329.3	2637.9	2118.7
70°	198.1	202.0	229.9	301.6	476.7	1368.0	3259.5	3691.5	3389.1	2562.8	1978.8
72.5°	178.3	182.6	209.6	270.9	407.4	682.0	2581.9	3121.2	3076.9	2222.1	1500.9
75°	166.2	170.2	216.1	265.3	390.0	431.6	1702.1	2300.3	2261.8	1554.4	809.3
77.5°	71.1	70.8	100.2	224.5	395.8	417.9	914.6	1437.0	1311.1	664.4	232.4
80°	47.5	46.7	47.5	66.0	363.0	420.2	479.2	729.4	551.0	169.4	114.6
82.5°	40.9	40.3	41.8	40.3	127.6	479.7	407.4	387.9	262.0	96.2	56.8
85°	27.6	26.4	36.0	36.1	60.2	426.2	458.9	327.6	211.9	57.1	28.1
87.5°	13.2	12.9	21.0	25.6	35.3	173.2	514.8	335.7	213.8	29.2	13.4
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°	870.7	870.7	870.7	870.7	870.7	870.7	870.7	870.7	870.7	870.7	870.7
2.5°	862.3	855.5	848.9	841.0	832.7	823.5	818.9	814.3	813.1	811.8	807.2
5°	838.5	828.9	812.4	794.3	775.1	756.5	742.3	733.4	726.6	723.1	717.0
7.5°	807.8	793.8	764.9	733.5	701.3	672.0	646.5	630.5	615.4	608.3	600.2
10°	778.6	757.6	712.7	666.5	620.3	575.9	534.1	504.6	478.4	463.7	453.3
12.5°	753.5	724.8	662.6	600.0	536.6	473.4	410.8	361.7	320.6	298.9	287.9
15°	729.1	694.4	614.9	535.5	454.1	368.1	285.9	230.1	196.1	182.6	177.9
17.5°	707.0	662.6	567.0	470.4	368.9	264.9	192.1	161.4	148.4	143.9	142.4
20°	683.0	630.4	517.3	402.4	280.1	185.2	150.0	136.5	131.2	129.9	129.2
22.5°	659.9	598.7	469.8	329.6	201.2	142.9	128.9	123.3	122.5	123.6	123.6
25°	640.3	570.3	418.4	253.5	147.7	120.3	115.4	114.1	117.2	121.5	122.3
27.5°	625.6	547.0	363.8	187.2	117.7	104.6	104.5	106.6	114.4	122.6	124.3
30°	615.5	524.9	305.4	135.0	98.7	92.1	94.7	99.4	110.8	122.5	125.6
32.5°	610.4	508.6	244.5	104.5	84.5	80.9	85.3	90.9	102.2	113.1	117.2
35°	614.4	496.5	187.0	87.2	74.6	71.8	76.4	81.9	88.5	93.1	96.2
37.5°	629.2	491.7	141.1	78.1	67.8	65.2	68.8	72.0	74.6	75.9	77.4
40°	661.2	496.8	113.1	73.5	64.0	60.7	62.2	63.4	65.0	66.4	67.0
42.5°	708.4	512.2	101.3	71.6	62.1	57.3	56.9	57.4	59.6	62.1	62.6
45°	774.5	539.3	100.5	72.8	61.1	54.5	53.0	53.6	56.9	60.7	61.4
47.5°	858.8	580.5	107.1	76.3	61.9	53.0	50.5	51.3	55.5	60.6	61.4
50°	961.0	638.1	118.2	81.4	65.5	53.3	49.7	50.2	54.5	60.1	60.9
52.5°	1081.7	719.8	130.2	86.3	69.3	55.5	50.3	49.2	53.2	58.1	59.1
55°	1215.8	824.7	142.6	90.8	71.3	58.1	51.7	47.9	50.7	54.8	55.6
57.5°	1380.6	971.2	164.1	95.1	72.6	59.9	53.0	46.5	47.5	50.5	51.2
60°	1603.6	1178.5	201.9	102.2	75.6	60.6	52.8	45.4	44.4	46.1	46.4
62.5°	1870.8	1403.7	233.4	111.1	80.6	61.1	51.8	44.6	41.8	41.8	42.1
65°	2029.4	1463.9	215.9	118.5	84.7	60.6	50.7	43.7	39.8	38.0	38.1
67.5°	1894.9	1287.5	185.0	120.0	84.5	58.3	48.9	42.3	37.8	35.0	34.8
69°	1726.4	1110.9	171.2	116.0	80.6	55.3	46.5	40.6	36.3	33.3	33.2
70°	1590.5	1003.1	162.1	111.7	76.3	53.2	44.7	39.1	35.2	32.4	32.0
72.5°	1156.4	657.3	138.5	96.1	62.9	44.6	38.6	34.3	31.4	29.7	29.4
75°	577.9	313.5	112.4	77.9	48.2	35.7	31.7	28.7	27.2	26.9	26.7
77.5°	189.8	143.6	80.4	58.1	35.8	27.9	25.6	23.4	23.1	24.1	23.8
80°	104.3	83.5	51.0	38.5	24.4	20.5	20.1	19.0	19.5	21.1	20.8
82.5°	53.2	43.4	31.5	23.1	16.5	14.7	16.0	15.4	16.0	17.5	17.3
85°	26.2	23.8	20.0	14.0	10.9	9.4	11.4	11.9	12.2	13.4	13.4
87.5°	15.2	14.0	10.6	6.6	5.4	5.0	6.6	6.4	7.6	8.3	8.1
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)