

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: P200599

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200599
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
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 1050mA 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: 5081 lumens
Efficiency: N/A
Efficacy: 86.1 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 - G2

Input Watts (W): 59
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



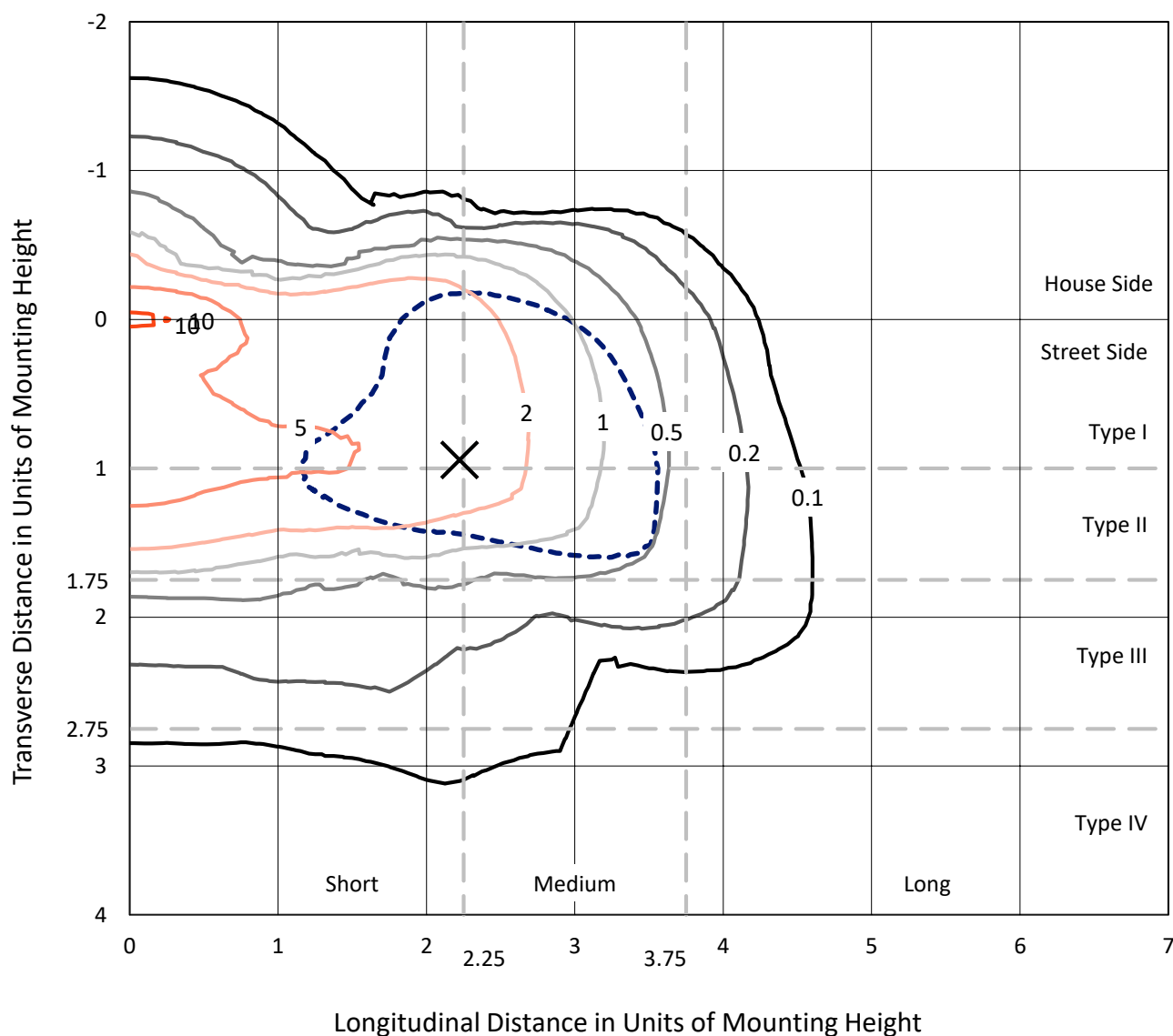
REPORT NUMBER: P200599

CATALOG NUMBER: GWC-AF-01-LED-E1-SL2-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

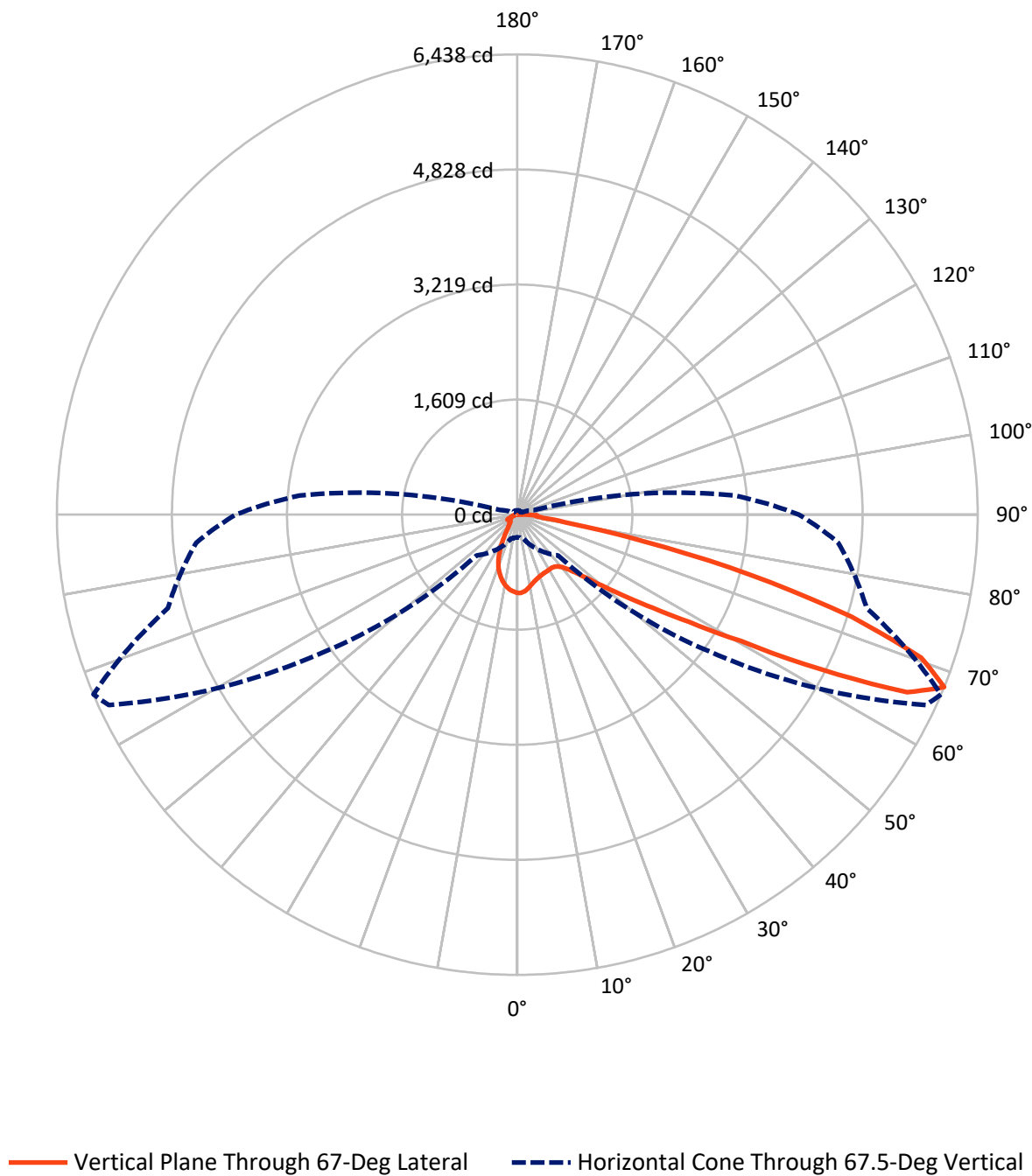


Based on 10 foot mounting height. Maximum calculated value = 11 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P200599

CATALOG NUMBER: GWC-AF-01-LED-E1-SL2-8030

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	841.9	0.0	841.9
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	4239.1	0.0	4239.1
	% Fixture	83.4	0.0	83.4
Total	Lumens	5081.0	0.0	5081.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.5	1.8
10°-20°	216.3	4.3
20°-30°	293.3	5.8
30°-40°	416.9	8.2
40°-50°	697.5	13.7
50°-60°	1103.4	21.7
60°-70°	1405.7	27.7
70°-80°	736.3	14.5
80°-90°	118.1	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°	5081.0	100.0
0°-180°	5081.0	100.0

Coefficient of Utilization



REPORT NUMBER: P200599

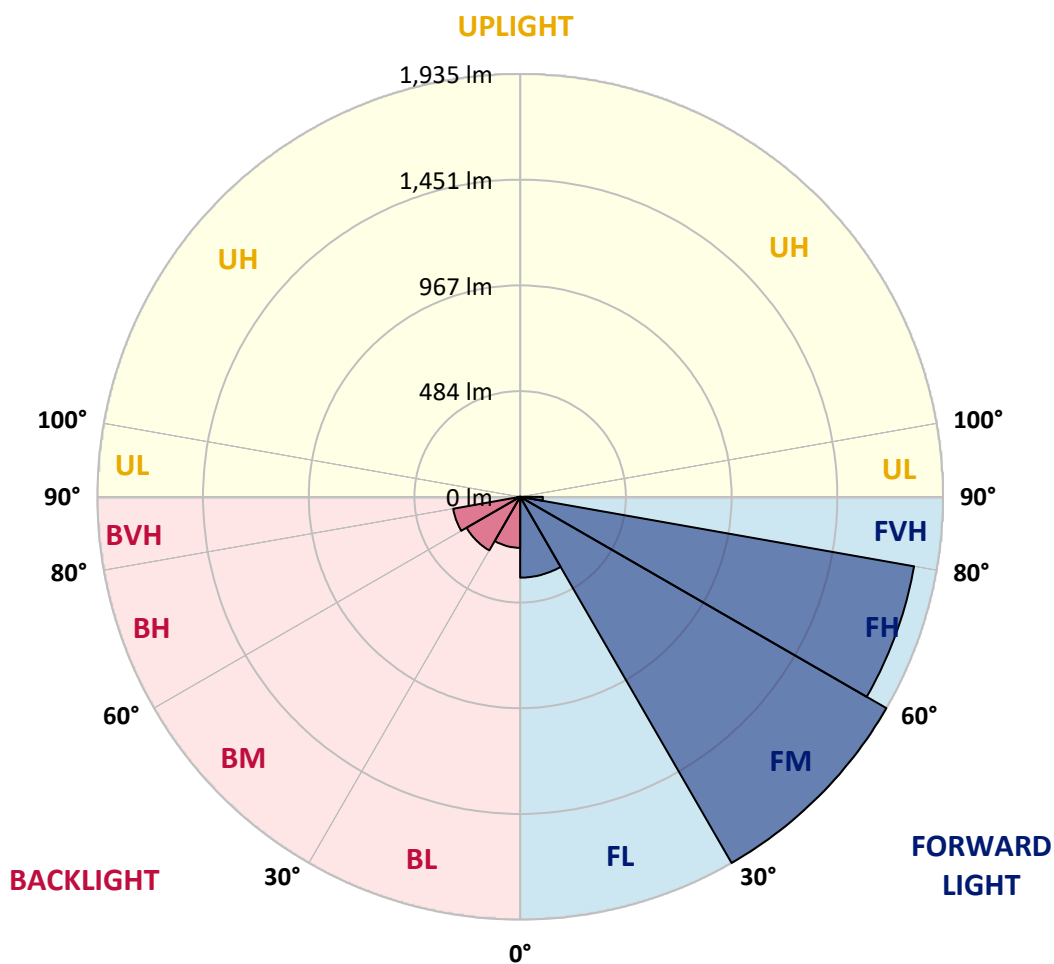
CATALOG NUMBER: GWC-AF-01-LED-E1-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	369.8	7.3			
FM	(30°-60°)	1934.9	38.1			
FH	(60°-80°)	1830.6	36.0			G2/5000
FVH	(80°-90°)	103.8	2.0			G2/225
BL	(0°-30°)	233.3	4.6	B1/500		
BM	(30°-60°)	282.9	5.6	B1/1000		
BH	(60°-80°)	311.4	6.1	B1/500		G1/500
BVH	(80°-90°)	14.3	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short



REPORT NUMBER: P200599

CATALOG NUMBER: GWC-AF-01-LED-E1-SL2-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1096.0	1096.0	1096.0	1096.0	1096.0	1096.0	1096.0	1096.0	1096.0	1096.0	1096.0
2.5°	1050.9	1052.6	1058.1	1061.6	1077.4	1084.2	1088.9	1093.7	1094.5	1096.7	1094.5
5°	940.6	944.4	954.6	966.2	996.7	1020.8	1046.1	1072.4	1077.2	1094.2	1099.0
7.5°	855.2	854.2	862.7	876.5	907.8	941.1	985.5	1037.8	1048.1	1086.4	1105.0
10°	792.8	792.0	801.0	815.3	845.1	876.7	926.8	998.5	1013.0	1074.2	1110.7
12.5°	746.7	746.9	755.9	771.7	802.0	833.9	884.7	960.4	978.9	1059.9	1116.8
15°	716.1	718.1	725.4	742.2	771.7	803.6	853.4	931.8	952.6	1048.6	1123.5
17.5°	705.8	709.1	711.6	723.9	749.2	781.0	829.9	910.8	932.8	1040.8	1129.5
20°	715.4	719.1	714.4	718.6	734.6	762.7	811.3	894.3	916.8	1032.1	1130.3
22.5°	756.2	759.7	745.7	733.4	732.4	749.4	796.0	881.2	904.5	1025.6	1130.5
25°	828.1	830.4	806.8	778.2	750.4	744.7	785.3	872.2	897.0	1019.8	1125.8
27.5°	916.3	918.1	891.0	848.9	793.0	755.9	781.5	866.9	892.8	1014.8	1117.8
30°	1023.5	1031.8	995.5	942.4	860.9	789.3	789.0	864.2	888.0	1006.3	1102.0
32.5°	1133.3	1136.8	1111.7	1057.9	952.4	847.9	810.1	866.2	886.7	996.0	1081.9
35°	1244.5	1249.1	1232.8	1189.4	1077.4	933.8	851.2	878.0	894.5	992.5	1067.9
37.5°	1388.6	1394.6	1372.1	1322.0	1229.5	1050.4	919.6	907.5	918.3	1002.5	1063.6
40°	1616.4	1613.6	1547.7	1473.1	1395.9	1199.4	1017.3	957.6	963.9	1034.8	1076.7
42.5°	1881.5	1874.7	1761.2	1643.9	1578.8	1379.8	1146.6	1044.6	1043.3	1098.5	1122.5
45°	2092.9	2087.4	1985.2	1840.6	1788.5	1585.3	1313.7	1174.1	1164.9	1199.4	1207.2
47.5°	2207.5	2207.7	2148.8	2030.8	2029.6	1846.4	1528.4	1361.6	1345.5	1361.8	1353.5
50°	2167.4	2172.6	2166.4	2128.8	2249.5	2188.7	1808.8	1622.9	1590.6	1606.6	1574.8
52.5°	1973.4	1980.2	2017.3	2074.9	2342.0	2602.3	2220.7	1947.6	1910.0	1904.3	1868.9
55°	1629.7	1637.9	1713.6	1870.2	2265.1	2880.2	2870.7	2361.5	2301.7	2247.3	2232.3
57.5°	1123.3	1137.1	1258.8	1491.3	2016.3	2964.2	3644.7	2951.6	2829.8	2639.9	2643.4
60°	633.2	649.2	792.8	1004.0	1514.1	2872.9	4233.5	3845.4	3588.3	3099.7	3125.8
62.5°	402.7	419.9	528.9	697.6	908.5	2381.8	4474.8	5087.9	4761.4	3666.5	3692.0
65°	326.0	333.5	384.9	575.8	659.7	1435.0	4291.6	6111.5	5989.7	4385.8	4266.6
67.5°	318.2	320.7	347.3	483.3	632.7	806.6	3423.2	6302.9	6437.9	5057.6	4505.9
70°	314.5	323.2	391.4	461.3	605.9	680.3	2057.1	5778.2	5991.4	5233.2	4187.4
72.5°	152.6	152.1	196.9	417.2	682.5	705.6	1056.9	4675.2	4889.2	4533.9	3441.0
75°	123.0	112.5	107.5	152.8	656.2	728.6	673.5	3217.0	3371.8	3039.8	2115.2
77.5°	116.8	104.2	95.5	95.7	277.4	772.7	570.5	1780.5	1825.6	1373.1	579.6
80°	96.7	85.2	78.9	88.9	134.3	735.9	616.9	805.8	739.4	337.3	192.9
82.5°	67.2	61.1	59.4	74.7	107.5	524.4	717.4	433.0	363.1	168.9	119.0
85°	42.8	36.6	40.6	54.4	83.7	242.0	738.9	337.5	268.4	107.2	67.2
87.5°	19.8	16.0	20.0	30.1	54.6	83.4	703.1	379.1	276.4	56.6	42.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P200599

CATALOG NUMBER: GWC-AF-01-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1096.0	1096.0	1096.0	1096.0	1096.0	1096.0	1096.0	1096.0	1096.0	1096.0	1096.0
2.5°	1096.5	1091.7	1087.9	1080.9	1073.2	1065.6	1058.9	1050.4	1047.9	1045.6	1049.1
5°	1100.0	1095.2	1081.4	1059.9	1036.1	1013.8	991.5	972.4	960.7	954.1	957.9
7.5°	1105.2	1098.5	1069.9	1030.3	987.5	948.4	908.0	875.7	851.9	840.6	843.9
10°	1110.0	1097.0	1050.4	991.0	928.3	870.2	806.6	753.9	714.9	694.3	699.3
12.5°	1112.0	1091.2	1023.0	941.9	855.9	770.7	677.0	598.3	542.2	521.7	517.4
15°	1114.0	1084.7	993.0	886.0	768.5	648.0	516.7	422.4	375.8	365.6	363.3
17.5°	1114.5	1073.4	958.9	825.4	666.0	501.9	353.3	293.4	293.7	310.2	312.2
20°	1109.2	1056.6	917.6	749.9	543.2	347.0	242.5	232.3	270.1	311.4	316.5
22.5°	1097.2	1034.3	870.7	662.0	402.7	228.5	187.7	198.9	247.8	298.4	304.2
25°	1081.9	1007.3	815.3	560.0	266.6	163.4	157.4	171.1	204.2	238.0	241.3
27.5°	1061.1	975.2	753.2	443.2	173.1	134.6	138.6	147.8	161.4	176.4	177.9
30°	1034.3	936.9	686.8	323.2	130.8	121.0	126.8	131.8	137.6	146.1	146.8
32.5°	1003.5	900.0	618.6	223.3	116.0	114.0	118.5	121.0	125.5	130.8	131.3
35°	977.7	864.9	548.0	157.9	109.7	108.7	111.8	112.8	117.0	122.8	123.3
37.5°	962.9	836.4	475.1	127.3	105.5	104.0	105.7	105.7	111.8	120.3	121.5
40°	963.9	820.6	402.2	115.0	102.0	100.0	100.2	100.2	108.0	117.3	118.0
42.5°	991.2	824.6	337.5	110.2	99.2	97.0	95.7	96.5	103.0	109.0	109.5
45°	1055.4	852.9	276.9	107.2	96.5	95.7	93.0	92.7	95.2	98.0	98.0
47.5°	1160.6	908.8	235.8	105.2	94.2	94.0	90.7	87.4	87.2	88.2	88.2
50°	1331.7	1005.0	208.2	103.0	92.7	90.7	86.9	81.9	80.2	80.9	80.9
52.5°	1588.3	1176.6	197.7	100.0	89.5	86.2	81.9	76.9	75.4	75.7	75.7
55°	1924.8	1440.2	196.2	96.5	85.9	80.7	77.2	73.4	71.7	72.2	72.2
57.5°	2336.0	1804.8	223.0	91.0	81.2	75.2	73.2	70.7	69.4	70.2	69.9
60°	2835.9	2281.9	330.7	85.2	76.4	70.2	70.2	68.2	67.2	67.9	67.7
62.5°	3411.7	2829.8	465.0	80.9	71.4	66.1	67.2	66.1	65.1	65.6	65.4
65°	3922.3	3186.9	435.5	77.7	66.4	62.4	64.1	63.6	62.9	63.4	63.1
67.5°	3937.1	3054.6	244.5	74.2	61.6	58.6	61.1	60.9	60.4	60.9	60.6
70°	3513.6	2579.3	137.8	67.7	56.6	54.1	57.6	57.4	56.9	57.9	57.6
72.5°	2815.1	1871.7	100.7	59.6	51.6	49.4	53.4	53.1	53.1	54.6	53.9
75°	1619.9	963.2	80.4	51.1	46.4	44.6	48.1	48.4	48.9	50.9	49.4
77.5°	461.8	300.2	65.6	43.3	39.8	39.1	42.6	43.1	43.3	45.6	43.6
80°	171.6	138.3	54.1	36.3	32.6	32.8	36.1	36.8	37.1	39.3	36.8
82.5°	109.5	91.2	43.8	28.1	25.6	25.3	29.3	30.3	30.3	30.6	29.1
85°	63.9	54.6	33.1	20.3	18.0	17.3	21.8	23.6	22.8	22.3	21.3
87.5°	42.8	37.6	20.3	11.3	9.8	9.3	12.8	14.0	13.5	12.8	12.0
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)