

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: P200697

Luminaire Tested: **GWC-AF-01-LED-E1-T4W-8030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200697
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24147)
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-T4W-8030-1200
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5651 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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



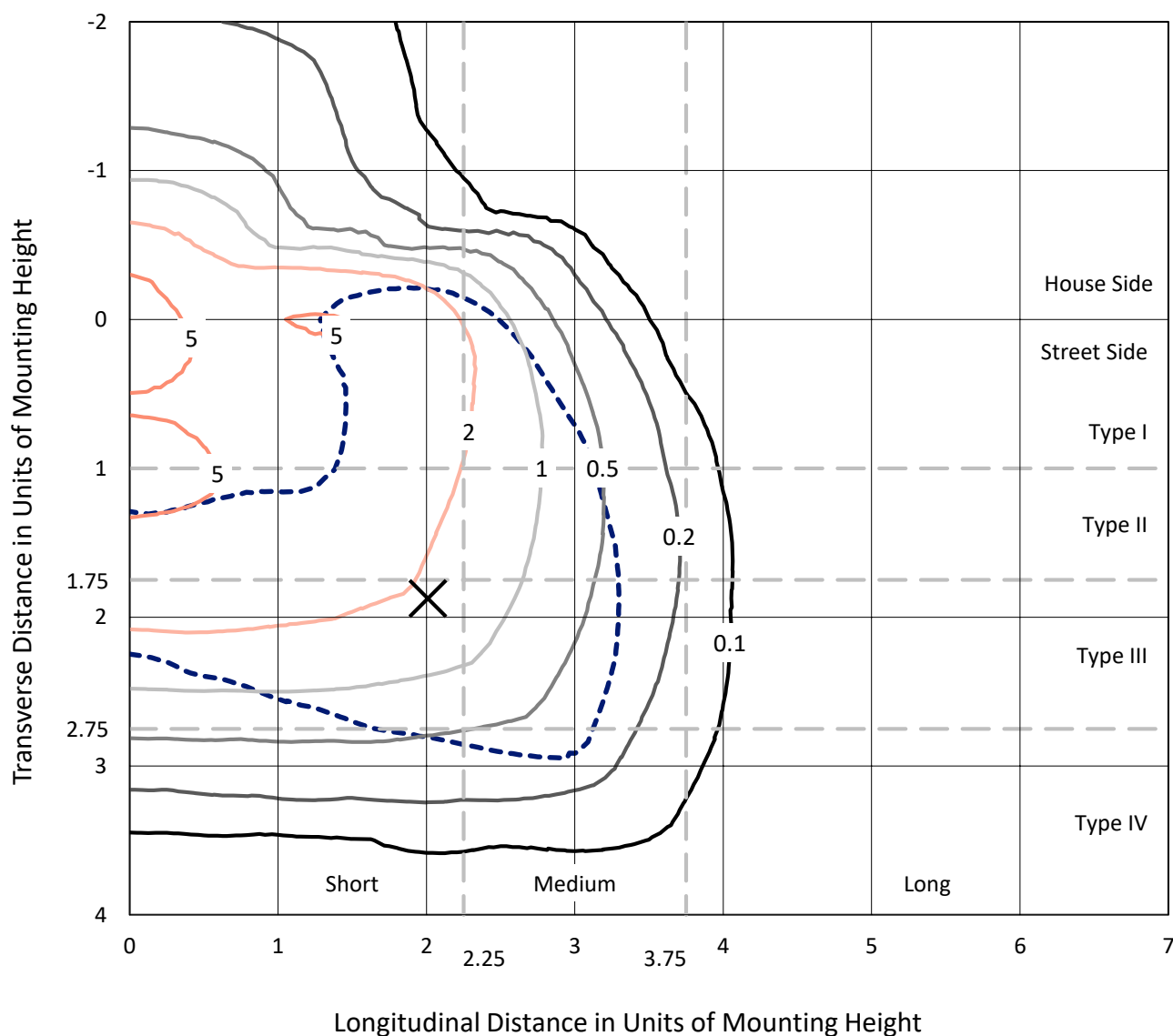
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

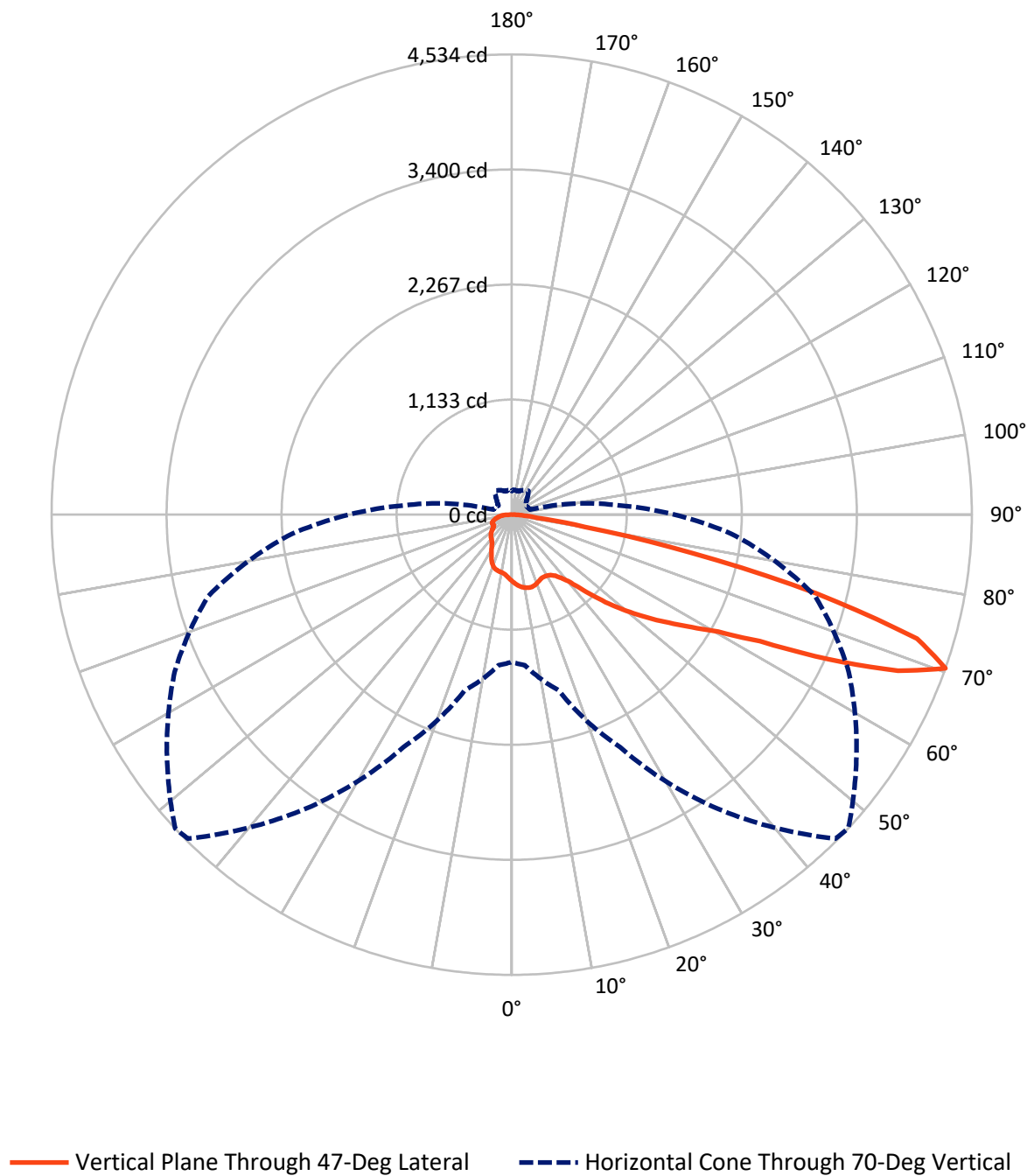


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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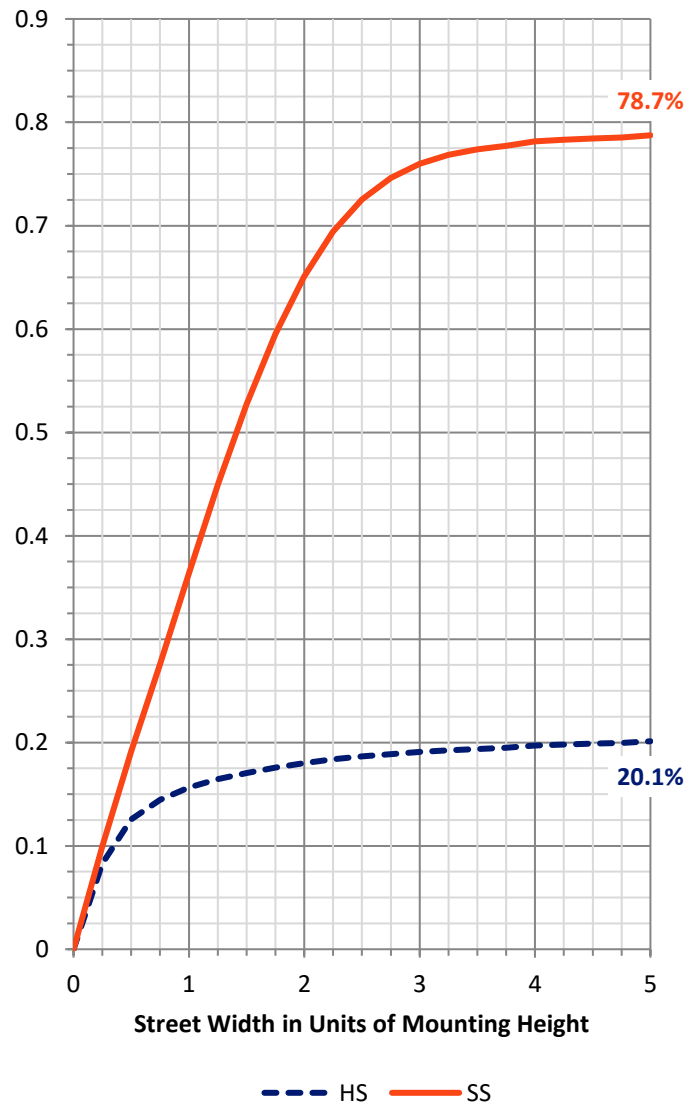
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1178.9	0.0	1178.9
	% Fixture	20.9	0.0	20.9
Street Side	Lumens	4472.1	0.0	4472.1
	% Fixture	79.1	0.0	79.1
Total	Lumens	5651.0	0.0	5651.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.8	1.1
10°-20°	184.3	3.3
20°-30°	272.2	4.8
30°-40°	395.6	7.0
40°-50°	712.0	12.6
50°-60°	1233.4	21.8
60°-70°	1760.4	31.2
70°-80°	903.7	16.0
80°-90°	126.5	2.2
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°	5651.0	100.0
0°-180°	5651.0	100.0

Coefficient of Utilization



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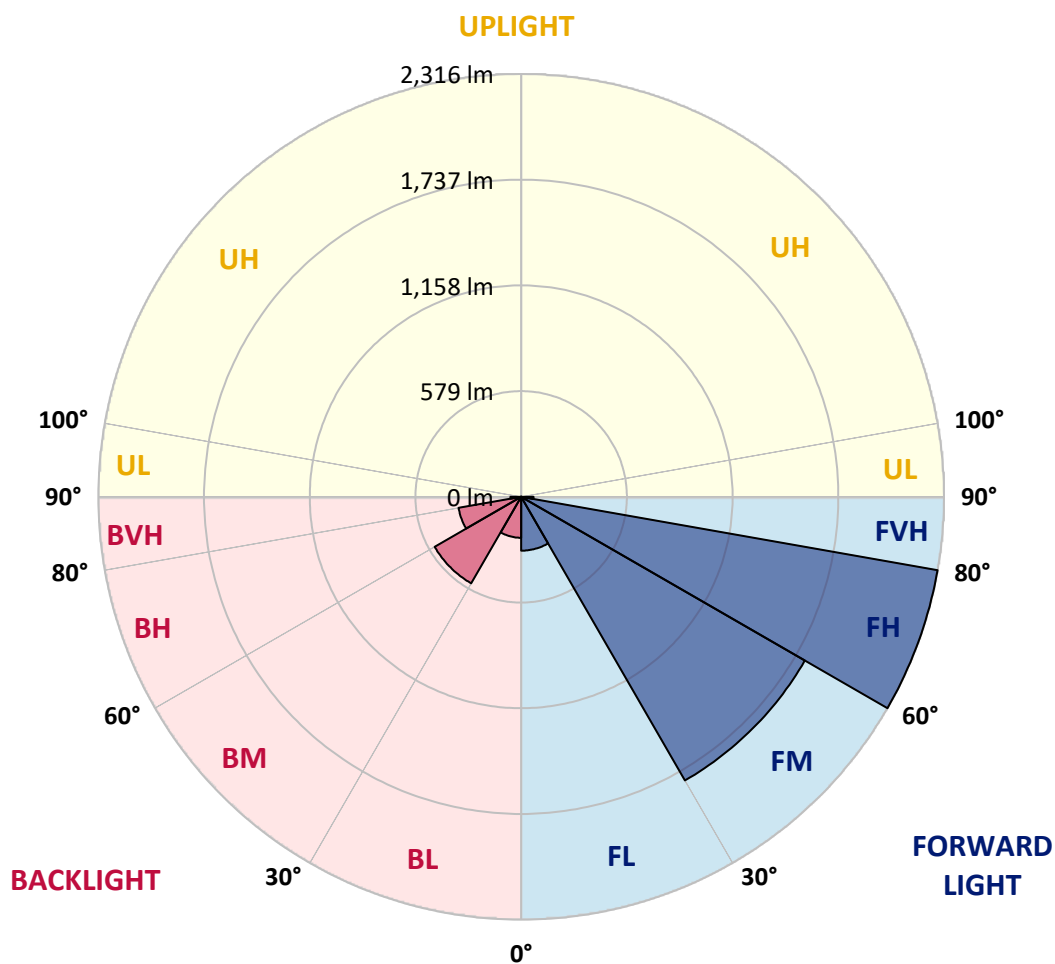
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	294.9	5.2			
FM	(30°-60°)	1793.8	31.7			
FH	(60°-80°)	2315.9	41.0			G2/5000
FVH	(80°-90°)	67.5	1.2			G1/100
BL	(0°-30°)	224.5	4.0	B1/500		
BM	(30°-60°)	547.2	9.7	B1/1000		
BH	(60°-80°)	348.2	6.2	B1/500		G1/500
BVH	(80°-90°)	59.0	1.0			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7
2.5°	694.2	692.8	692.3	691.2	689.8	682.9	681.5	676.6	669.7	662.6	655.1
5°	739.8	739.5	736.5	731.0	722.2	707.1	703.5	691.4	675.2	659.5	643.9
7.5°	780.0	777.5	771.7	760.7	745.3	724.7	719.7	703.0	680.7	659.3	638.1
10°	809.4	808.0	795.4	780.2	760.2	737.3	731.6	712.9	688.4	661.2	634.8
12.5°	826.1	823.4	808.8	790.7	766.8	744.5	738.7	719.7	692.3	661.2	630.1
15°	825.0	823.1	808.5	788.8	764.6	745.0	739.8	720.8	691.4	658.4	624.1
17.5°	803.1	803.9	791.5	772.0	752.2	737.3	732.7	715.1	685.9	652.9	616.9
20°	764.6	768.4	760.2	742.8	731.8	721.7	718.6	703.8	677.4	645.0	609.2
22.5°	726.1	729.6	726.3	711.8	710.1	704.1	702.4	691.7	670.0	640.0	604.6
25°	697.8	701.1	700.5	687.9	692.8	692.5	691.2	685.9	668.3	640.0	605.4
27.5°	690.1	691.2	690.1	678.5	685.4	690.9	689.8	689.0	673.3	648.0	615.8
30°	716.4	714.8	706.3	682.9	689.2	696.9	695.8	696.4	688.1	668.9	639.2
32.5°	821.7	814.3	787.4	721.7	704.9	709.0	709.6	718.6	720.0	701.1	675.5
35°	979.3	971.0	936.1	825.6	753.6	739.3	739.3	753.0	761.3	747.2	731.8
37.5°	1146.2	1137.1	1118.4	969.7	855.8	791.8	790.4	800.0	811.8	815.1	819.0
40°	1335.9	1326.2	1331.5	1131.3	998.5	882.8	863.3	856.4	888.3	909.4	940.2
42.5°	1543.4	1539.0	1540.9	1311.4	1161.0	1018.9	991.1	955.6	994.1	1031.8	1096.4
45°	1735.6	1739.4	1737.5	1504.1	1341.9	1184.9	1155.5	1086.8	1124.4	1189.0	1294.3
47.5°	1903.8	1887.9	1912.6	1714.7	1544.5	1370.8	1334.5	1242.4	1280.6	1360.3	1538.5
50°	2108.1	2105.9	2069.6	1995.7	1789.5	1557.4	1509.9	1403.2	1462.6	1573.4	1846.1
52.5°	2322.8	2283.0	2249.7	2214.2	2049.3	1748.8	1690.5	1563.5	1676.5	1815.9	2221.1
55°	2366.8	2348.9	2390.2	2449.8	2299.7	1947.6	1879.7	1764.5	1917.3	2093.0	2653.6
57.5°	2460.8	2460.6	2545.8	2652.2	2557.6	2158.4	2090.0	2007.2	2188.1	2410.5	3112.7
60°	2524.3	2542.2	2700.6	2907.0	2810.8	2402.0	2339.0	2287.4	2496.0	2765.5	3540.5
62.5°	2557.6	2581.8	2797.9	3010.4	3168.8	2807.5	2744.6	2670.1	2903.5	3154.7	3790.6
65°	2419.3	2466.9	2782.8	3099.8	3482.2	3464.9	3436.5	3305.7	3412.9	3462.4	3700.2
67.5°	2036.6	2085.3	2453.1	3016.5	3706.0	4098.8	4104.9	3881.4	3726.3	3488.8	3111.0
70°	1451.0	1489.3	1793.6	2529.0	3535.5	4513.1	4533.8	4146.7	3663.9	3094.0	2173.5
72.5°	689.0	712.3	1000.4	1646.0	2805.6	4135.1	4175.0	3808.0	3115.4	2290.7	1185.7
75°	253.2	260.4	338.2	700.2	1627.3	3049.4	3096.5	2729.7	2065.2	1140.4	451.7
77.5°	151.8	156.4	189.7	295.5	640.0	1743.0	1812.6	1484.6	902.6	424.5	222.1
80°	106.1	109.4	136.1	183.9	302.4	664.2	726.1	605.9	359.6	268.6	161.7
82.5°	71.8	73.4	95.7	124.3	201.0	237.3	256.0	269.4	242.5	199.9	102.5
85°	47.0	48.7	64.9	81.9	127.8	122.6	125.4	158.6	177.1	135.8	56.9
87.5°	26.9	28.0	39.0	43.7	62.7	52.0	52.5	83.6	113.3	91.5	34.6
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°	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7
2.5°	653.2	649.6	641.7	636.7	632.0	630.9	629.0	628.7	628.5	628.5	627.6
5°	638.6	632.6	620.2	613.4	607.6	607.0	606.8	608.1	608.7	609.2	608.4
7.5°	629.3	621.1	605.7	595.8	588.9	587.2	590.0	596.3	600.4	602.1	601.3
10°	623.5	613.4	595.5	584.8	579.0	578.2	581.7	589.2	597.7	601.0	600.7
12.5°	616.9	605.4	586.4	575.1	571.8	573.5	578.2	585.0	593.8	599.1	599.3
15°	610.3	596.9	577.3	567.4	566.1	568.3	572.7	577.9	584.8	590.0	590.5
17.5°	602.4	588.3	568.8	558.6	557.5	558.6	558.9	561.7	566.1	571.0	572.4
20°	593.8	579.5	559.2	549.0	544.1	539.7	534.7	535.3	536.7	541.6	542.7
22.5°	587.8	573.5	551.8	537.7	524.6	511.4	501.5	500.1	500.6	504.8	506.1
25°	588.3	573.2	549.8	525.7	496.8	475.6	462.4	460.2	459.9	463.0	464.9
27.5°	599.1	583.9	557.0	513.3	466.5	435.2	421.2	419.5	417.3	418.2	420.4
30°	623.0	609.0	574.3	500.6	433.8	395.6	381.0	379.4	376.4	375.0	376.6
32.5°	662.0	650.5	599.6	488.5	401.1	361.8	347.0	343.4	341.5	339.8	341.2
35°	726.9	721.9	633.4	475.3	372.2	335.7	322.2	316.7	314.0	317.0	319.2
37.5°	828.6	831.4	677.7	454.7	350.0	318.4	307.1	300.8	296.6	299.1	301.6
40°	972.7	974.6	726.6	425.6	330.7	308.2	296.1	290.3	284.5	280.1	279.9
42.5°	1161.8	1142.3	774.7	394.0	308.5	301.9	288.4	281.2	272.4	260.4	257.9
45°	1386.2	1317.7	811.3	357.7	283.4	294.2	279.9	270.0	256.2	243.0	241.7
47.5°	1644.6	1506.0	829.2	320.0	260.1	282.9	269.4	253.8	236.4	229.8	229.0
50°	1960.2	1729.5	837.7	283.4	239.7	268.1	254.3	235.9	221.3	219.9	219.1
52.5°	2319.5	1998.4	840.4	253.5	223.0	248.8	241.9	224.1	212.5	213.6	213.6
55°	2695.6	2276.1	803.1	231.8	207.6	229.0	233.7	219.4	209.8	214.2	215.8
57.5°	3040.9	2522.1	685.4	215.0	193.0	213.9	230.7	223.8	217.2	235.1	236.2
60°	3306.0	2667.6	511.9	199.9	182.3	208.7	238.6	240.6	242.2	284.8	290.6
62.5°	3361.5	2619.2	351.9	188.0	177.3	213.1	253.2	253.5	251.6	281.2	284.8
65°	3106.6	2313.2	256.0	181.4	173.2	221.0	265.6	259.8	247.2	269.7	263.1
67.5°	2467.2	1742.7	213.1	176.5	167.2	220.5	278.8	265.6	244.7	264.2	253.5
70°	1601.4	1053.8	189.7	172.4	160.0	210.0	286.5	265.0	237.5	245.8	233.1
72.5°	781.3	471.2	174.0	166.3	152.6	195.5	286.2	260.1	230.1	229.6	222.7
75°	305.7	215.8	159.7	157.3	139.9	179.0	278.5	252.9	221.3	212.5	210.0
77.5°	179.0	154.0	141.6	143.8	124.8	162.5	267.2	240.6	209.2	198.8	196.0
80°	130.3	115.2	120.7	124.3	106.7	146.0	252.1	225.4	195.7	201.0	197.1
82.5°	83.6	74.2	97.9	101.4	88.8	129.2	235.6	209.5	176.8	160.6	156.7
85°	42.6	47.0	72.9	77.3	68.5	106.1	215.5	188.3	155.3	133.6	135.8
87.5°	23.9	32.2	46.5	52.0	48.4	81.7	174.9	155.3	126.7	103.1	90.7
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)