

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: P200692

Luminaire Tested: **GWC-AF-02-LED-E1-T4W-8030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200692
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-02-LED-E1-T4W-8030-600
Description: GALLEON WALL LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6632 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 66
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



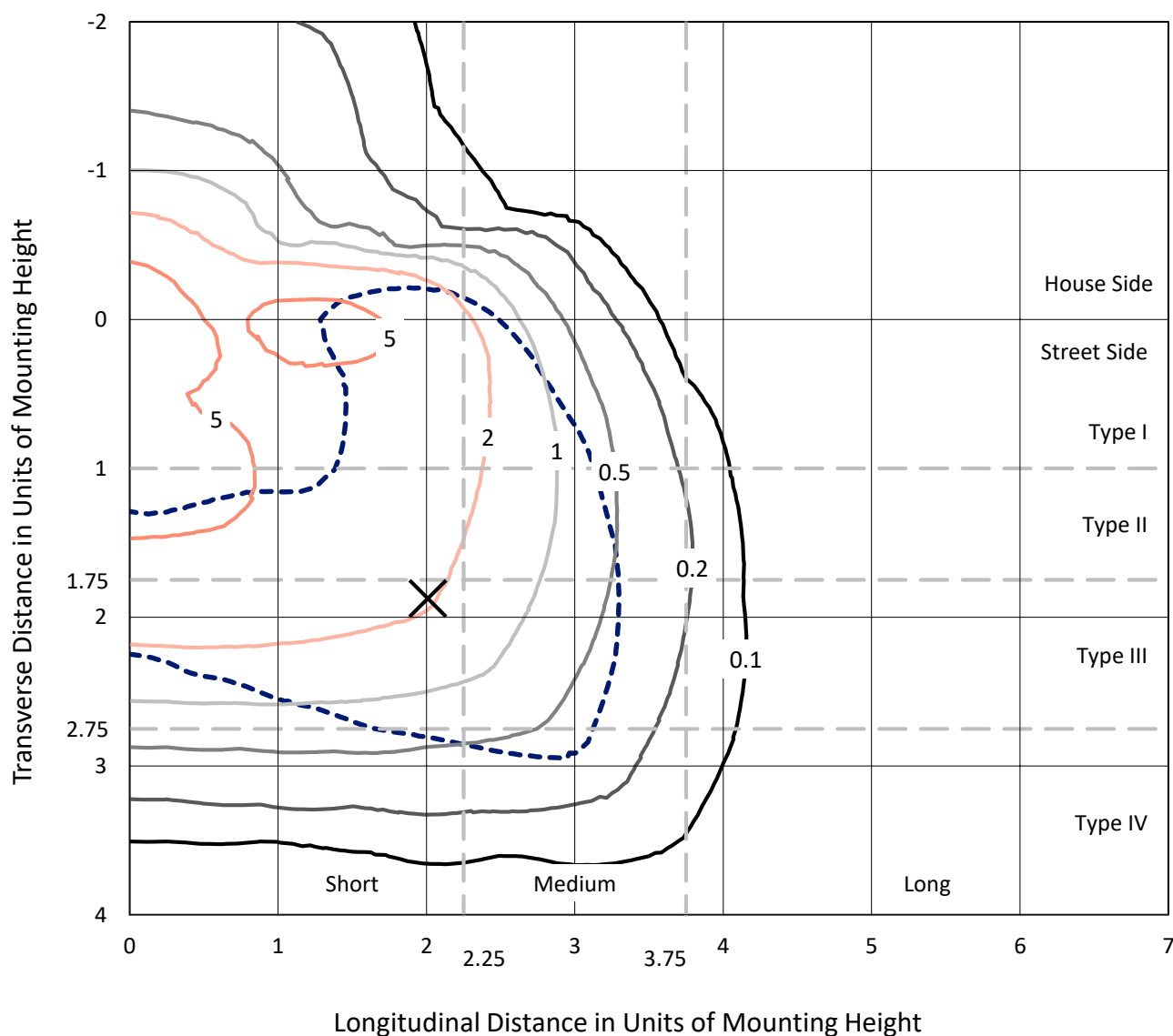
REPORT NUMBER: P200692

CATALOG NUMBER: GWC-AF-02-LED-E1-T4W-8030-600

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

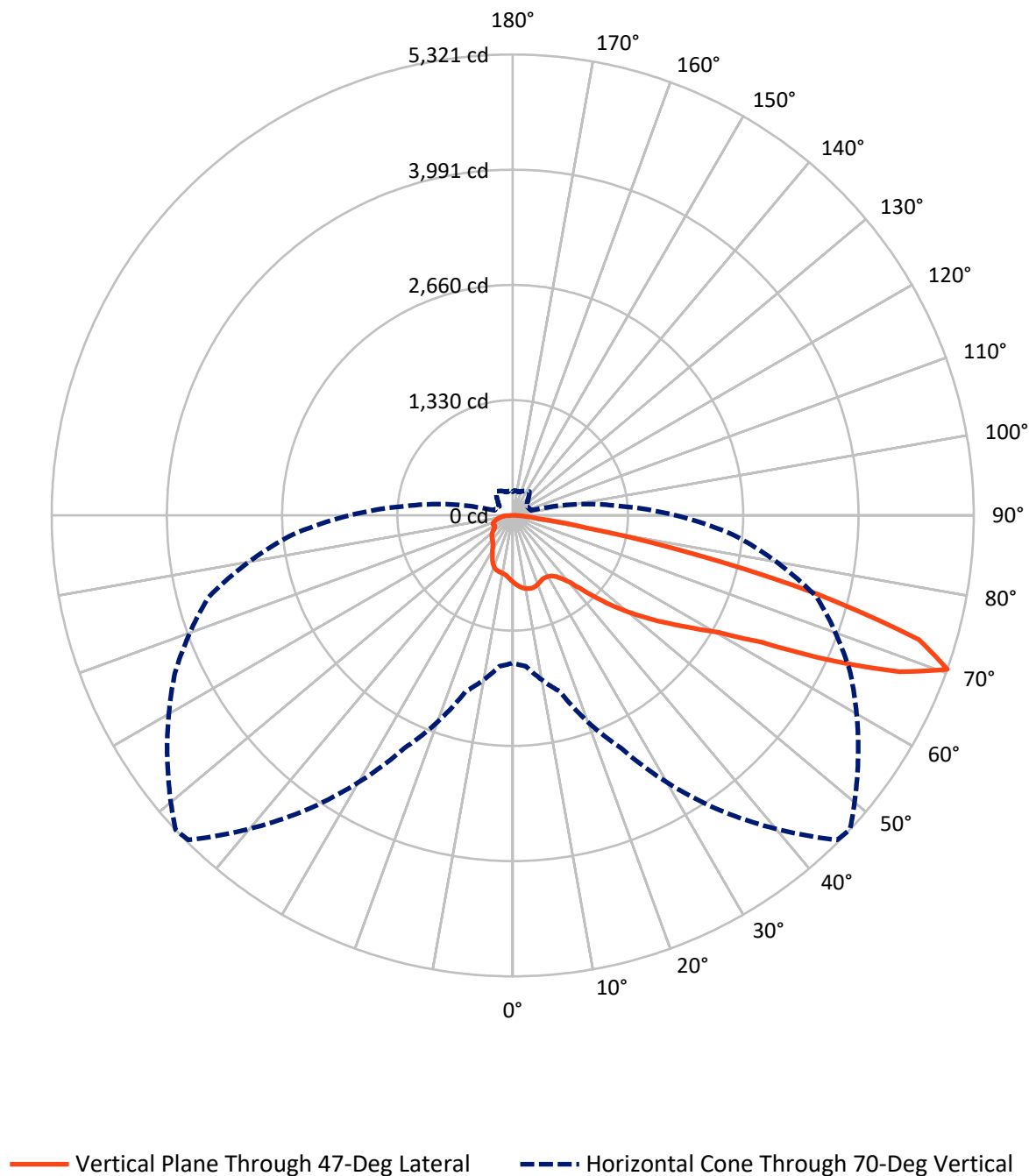


Based on 10 foot mounting height. Maximum calculated value = 8.9 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P200692

CATALOG NUMBER: GWC-AF-02-LED-E1-T4W-8030-600

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1383.6	0.0	1383.6
	% Fixture	20.9	0.0	20.9
Street Side	Lumens	5248.4	0.0	5248.4
	% Fixture	79.1	0.0	79.1
Total	Lumens	6632.0	0.0	6632.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.7	1.1
10°-20°	216.3	3.3
20°-30°	319.4	4.8
30°-40°	464.3	7.0
40°-50°	835.6	12.6
50°-60°	1447.5	21.8
60°-70°	2066.1	31.2
70°-80°	1060.6	16.0
80°-90°	148.5	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°	6632.0	100.0
0°-180°	6632.0	100.0

Coefficient of Utilization



REPORT NUMBER: P200692

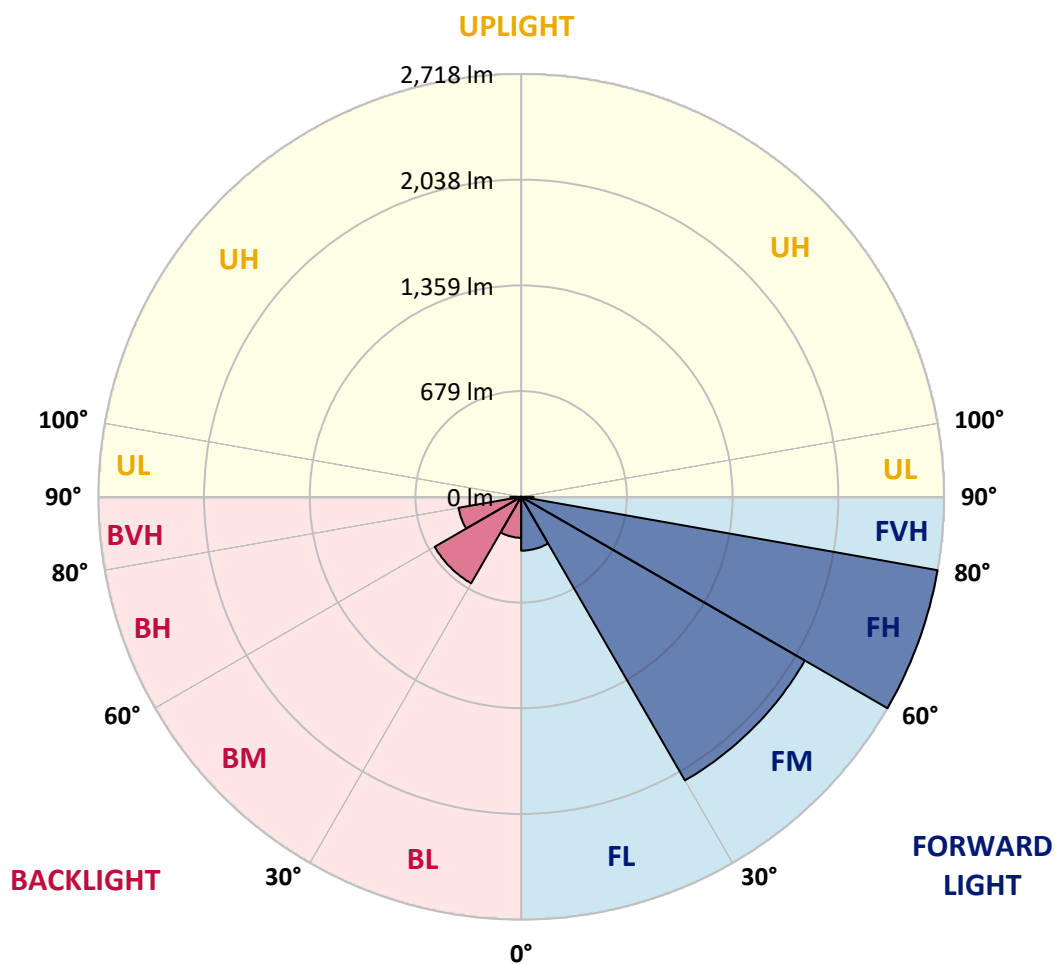
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	346.0	5.2			
FM	(30°-60°)	2105.2	31.7			
FH	(60°-80°)	2718.0	41.0			G2/5000
FVH	(80°-90°)	79.2	1.2			G1/100
BL	(0°-30°)	263.4	4.0	B1/500		
BM	(30°-60°)	642.2	9.7	B1/1000		
BH	(60°-80°)	408.7	6.2	B1/500		G1/500
BVH	(80°-90°)	69.3	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



REPORT NUMBER: P200692

CATALOG NUMBER: GWC-AF-02-LED-E1-T4W-8030-600

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	769.5	769.5	769.5	769.5	769.5	769.5	769.5	769.5	769.5	769.5	769.5
2.5°	814.7	813.1	812.4	811.1	809.5	801.5	799.8	794.0	786.0	777.6	768.9
5°	868.2	867.9	864.4	857.9	847.6	829.9	825.7	811.5	792.4	774.0	755.6
7.5°	915.4	912.5	905.7	892.8	874.7	850.5	844.7	825.0	798.9	773.7	748.9
10°	949.9	948.3	933.4	915.7	892.1	865.3	858.6	836.6	807.9	776.0	745.0
12.5°	969.6	966.3	949.2	927.9	899.9	873.7	867.0	844.7	812.4	776.0	739.5
15°	968.3	966.0	948.9	925.7	897.3	874.4	868.2	846.0	811.5	772.7	732.4
17.5°	942.5	943.4	928.9	906.0	882.8	865.3	859.9	839.2	805.0	766.3	724.0
20°	897.3	901.8	892.1	871.8	858.9	847.0	843.4	826.0	795.0	756.9	715.0
22.5°	852.1	856.3	852.4	835.3	833.4	826.3	824.4	811.8	786.3	751.1	709.5
25°	818.9	822.8	822.1	807.3	813.1	812.8	811.1	805.0	784.4	751.1	710.5
27.5°	809.8	811.1	809.8	796.3	804.4	810.8	809.5	808.6	790.2	760.5	722.7
30°	840.8	838.9	828.9	801.5	808.9	817.9	816.6	817.3	807.6	785.0	750.2
32.5°	964.4	955.7	924.1	847.0	827.3	832.1	832.8	843.4	845.0	822.8	792.7
35°	1149.3	1139.6	1098.6	968.9	884.4	867.6	867.6	883.7	893.4	877.0	858.9
37.5°	1345.1	1334.5	1312.5	1138.0	1004.4	929.2	927.6	938.9	952.8	956.7	961.2
40°	1567.8	1556.5	1562.6	1327.7	1171.9	1036.0	1013.1	1005.1	1042.5	1067.3	1103.5
42.5°	1811.4	1806.2	1808.4	1539.0	1362.5	1195.7	1163.2	1121.5	1166.7	1210.9	1286.7
45°	2036.9	2041.4	2039.1	1765.2	1574.9	1390.6	1356.1	1275.4	1319.6	1395.5	1519.0
47.5°	2234.3	2215.6	2244.7	2012.4	1812.6	1608.7	1566.1	1458.1	1502.9	1596.5	1805.5
50°	2474.1	2471.5	2428.9	2342.1	2100.1	1827.8	1772.0	1646.8	1716.5	1846.5	2166.6
52.5°	2726.1	2679.3	2640.2	2598.6	2405.0	2052.4	1984.0	1834.9	1967.5	2131.1	2606.7
55°	2777.7	2756.7	2805.1	2875.1	2699.0	2285.6	2206.0	2070.8	2250.2	2456.3	3114.2
57.5°	2888.0	2887.7	2987.7	3112.6	3001.6	2533.1	2452.8	2355.7	2568.0	2829.0	3653.0
60°	2962.6	2983.5	3169.4	3411.7	3298.8	2819.0	2745.1	2684.4	2929.3	3245.5	4155.1
62.5°	3001.6	3030.0	3283.6	3533.0	3718.9	3294.9	3221.0	3133.6	3407.5	3702.4	4448.7
65°	2839.3	2895.1	3265.9	3637.9	4086.7	4066.3	4033.1	3879.5	4005.4	4063.4	4342.5
67.5°	2390.2	2447.3	2879.0	3540.1	4349.3	4810.4	4817.5	4555.2	4373.2	4094.4	3651.1
70°	1702.9	1747.8	2105.0	2968.1	4149.3	5296.6	5320.8	4866.5	4299.9	3631.1	2550.9
72.5°	808.6	836.0	1174.1	1931.7	3292.6	4853.0	4899.8	4469.0	3656.3	2688.3	1391.6
75°	297.2	305.5	396.9	821.8	1909.8	3578.8	3634.0	3203.6	2423.7	1338.3	530.1
77.5°	178.1	183.6	222.6	346.8	751.1	2045.6	2127.2	1742.3	1059.3	498.2	260.7
80°	124.5	128.4	159.7	215.9	354.9	779.5	852.1	711.1	422.0	315.2	189.7
82.5°	84.2	86.1	112.3	145.8	235.9	278.4	300.4	316.2	284.6	234.6	120.3
85°	55.2	57.1	76.1	96.1	150.0	143.9	147.1	186.2	207.8	159.4	66.8
87.5°	31.6	32.9	45.8	51.3	73.6	61.0	61.6	98.1	132.9	107.4	40.7
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: P200692

CATALOG NUMBER: GWC-AF-02-LED-E1-T4W-8030-600

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	769.5	769.5	769.5	769.5	769.5	769.5	769.5	769.5	769.5	769.5	769.5
2.5°	766.6	762.4	753.1	747.3	741.8	740.5	738.2	737.9	737.6	737.6	736.6
5°	749.5	742.4	727.9	719.8	713.1	712.4	712.1	713.7	714.3	715.0	714.0
7.5°	738.5	728.9	710.8	699.2	691.1	689.2	692.4	699.8	704.7	706.6	705.6
10°	731.8	719.8	698.9	686.3	679.5	678.5	682.7	691.4	701.4	705.3	705.0
12.5°	724.0	710.5	688.2	675.0	671.1	673.0	678.5	686.6	696.9	703.1	703.4
15°	716.3	700.5	677.6	665.9	664.3	666.9	672.1	678.2	686.3	692.4	693.1
17.5°	706.9	690.5	667.6	655.6	654.3	655.6	655.9	659.2	664.3	670.1	671.8
20°	696.9	680.1	656.3	644.3	638.5	633.4	627.6	628.2	629.8	635.6	636.9
22.5°	689.8	673.0	647.6	631.1	615.6	600.1	588.5	586.9	587.5	592.4	594.0
25°	690.5	672.7	645.3	616.9	583.0	558.2	542.7	540.1	539.8	543.3	545.6
27.5°	703.1	685.3	653.7	602.4	547.5	510.8	494.3	492.4	489.8	490.7	493.3
30°	731.1	714.7	674.0	587.5	509.1	464.3	447.2	445.3	441.7	440.1	442.0
32.5°	776.9	763.4	703.7	573.3	470.7	424.6	407.2	403.0	400.7	398.8	400.4
35°	853.1	847.3	743.4	557.9	436.9	394.0	378.1	371.7	368.5	372.0	374.6
37.5°	972.5	975.7	795.3	533.7	410.7	373.6	360.4	353.0	348.1	351.0	353.9
40°	1141.5	1143.8	852.8	499.5	388.1	361.7	347.5	340.7	333.9	328.8	328.5
42.5°	1363.5	1340.6	909.2	462.4	362.0	354.3	338.5	330.1	319.7	305.5	302.6
45°	1626.8	1546.5	952.1	419.8	332.7	345.2	328.5	316.8	300.7	285.2	283.6
47.5°	1930.1	1767.5	973.1	375.6	305.2	332.0	316.2	297.8	277.5	269.7	268.8
50°	2300.5	2029.8	983.1	332.7	281.4	314.6	298.5	276.8	259.7	258.1	257.2
52.5°	2722.2	2345.3	986.3	297.5	261.7	292.0	283.9	263.0	249.4	250.7	250.7
55°	3163.6	2671.2	942.5	272.0	243.6	268.8	274.3	257.5	246.2	251.3	253.3
57.5°	3568.8	2960.0	804.4	252.3	226.5	251.0	270.7	262.6	254.9	275.9	277.2
60°	3879.9	3130.7	600.8	234.6	213.9	244.9	280.1	282.3	284.3	334.3	341.0
62.5°	3945.0	3073.9	413.0	220.7	208.1	250.1	297.2	297.5	295.2	330.1	334.3
65°	3645.9	2714.8	300.4	212.9	203.3	259.4	311.7	304.9	290.1	316.5	308.8
67.5°	2895.5	2045.3	250.1	207.1	196.2	258.8	327.2	311.7	287.2	310.1	297.5
70°	1879.4	1236.7	222.6	202.3	187.8	246.5	336.2	311.0	278.8	288.4	273.6
72.5°	917.0	553.0	204.2	195.2	179.1	229.4	335.9	305.2	270.1	269.4	261.3
75°	358.8	253.3	187.5	184.6	164.2	210.0	326.8	296.8	259.7	249.4	246.5
77.5°	210.0	180.7	166.2	168.7	146.5	190.7	313.6	282.3	245.5	233.3	230.0
80°	152.9	135.2	141.6	145.8	125.2	171.3	295.9	264.6	229.7	235.9	231.3
82.5°	98.1	87.1	114.9	119.1	104.2	151.6	276.5	245.9	207.5	188.4	183.9
85°	50.0	55.2	85.5	90.7	80.3	124.5	253.0	221.0	182.3	156.8	159.4
87.5°	28.1	37.7	54.5	61.0	56.8	95.8	205.2	182.3	148.7	121.0	106.5
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)