

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: P200627

Luminaire Tested: **GWC-AF-01-LED-E1-SL4-8030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200627
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24294)
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-SL4-8030-600
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3248 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - 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

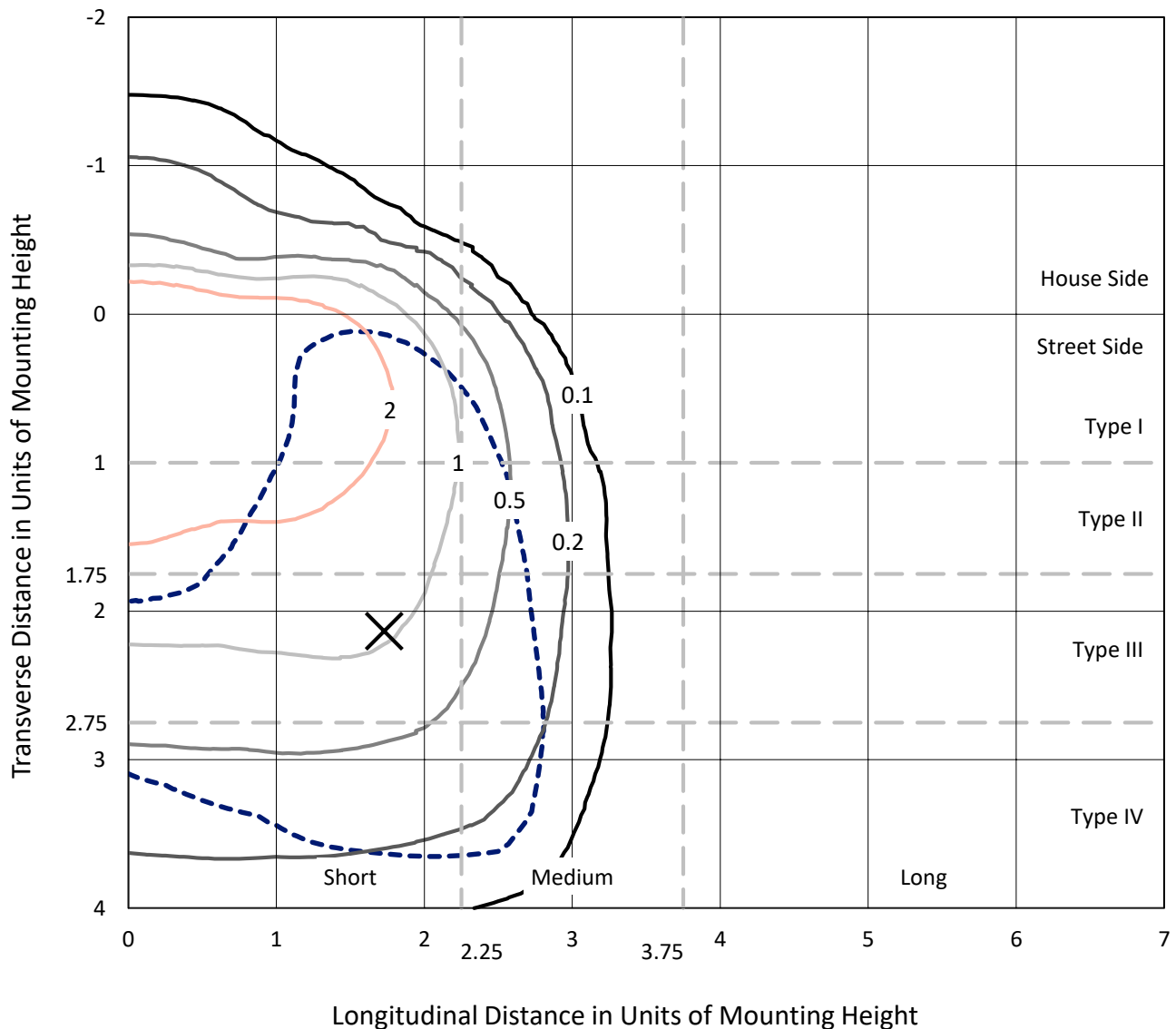


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

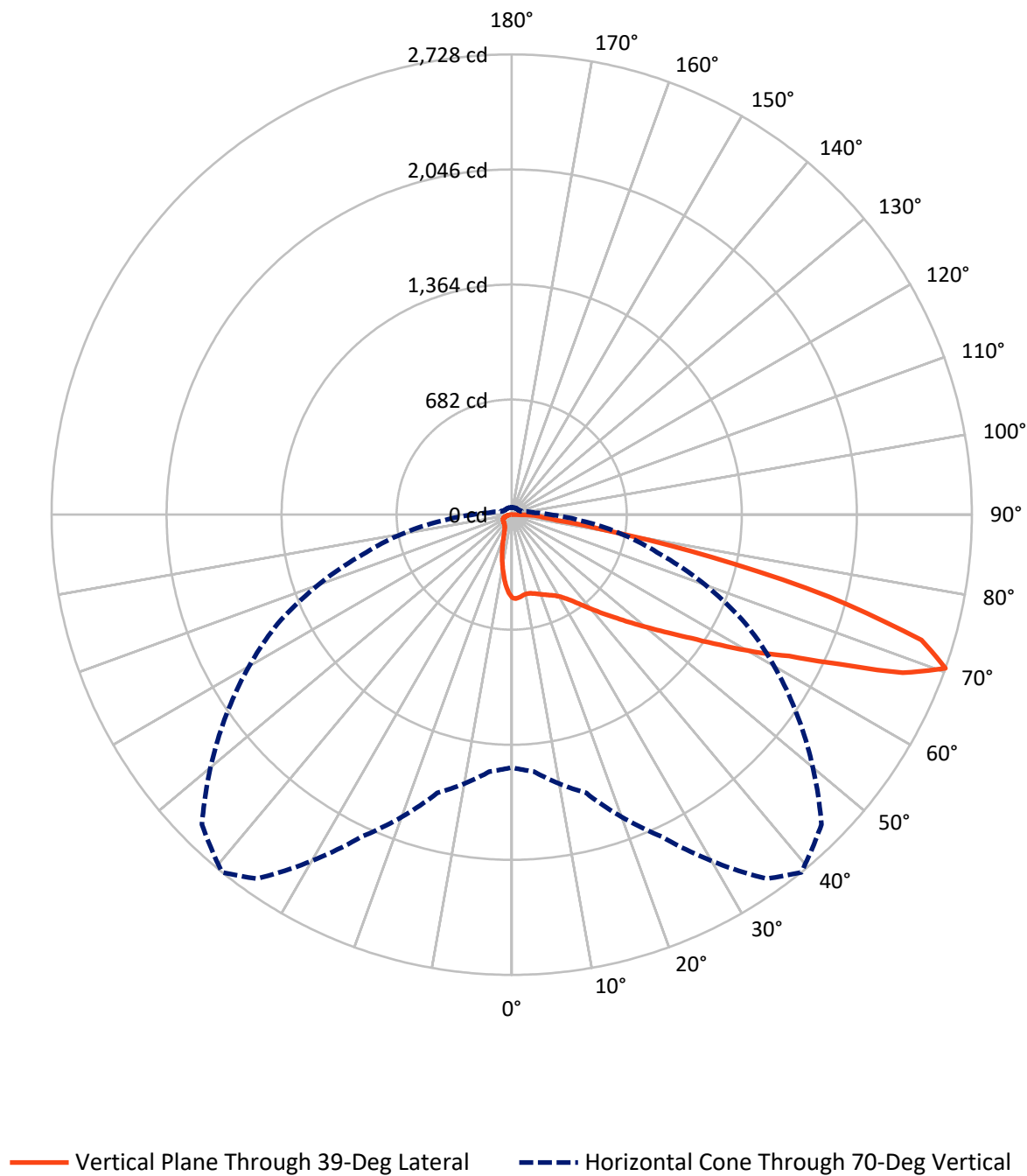


Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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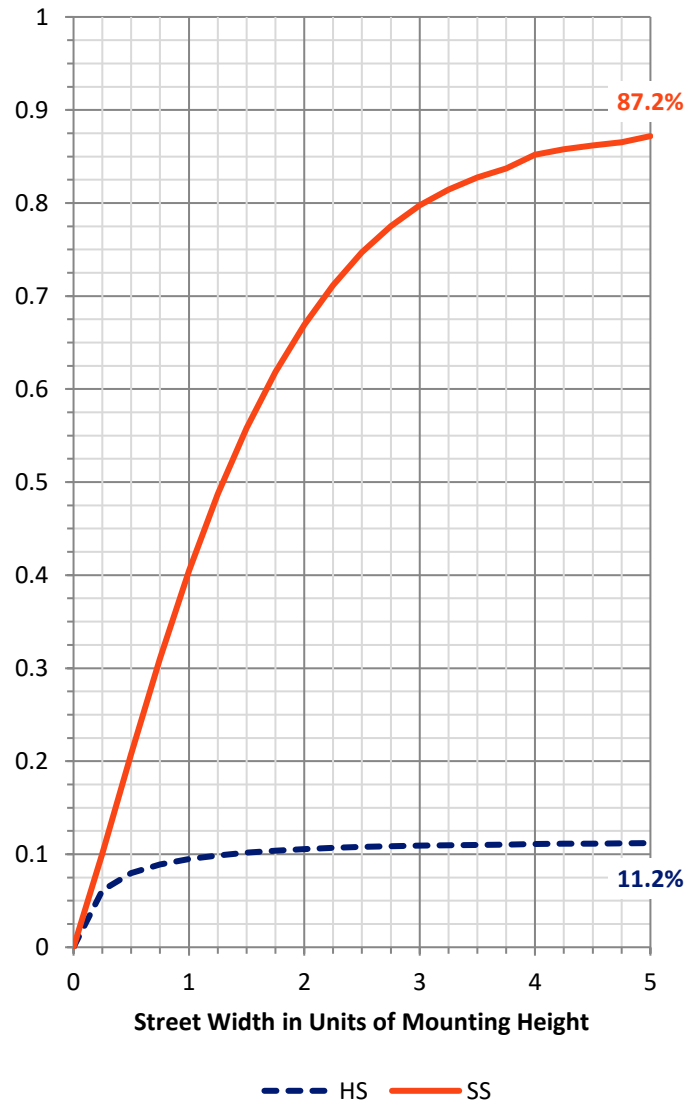
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	369.4	0.0	369.4
	% Fixture	11.4	0.0	11.4
Street Side	Lumens	2878.6	0.0	2878.6
	% Fixture	88.6	0.0	88.6
Total	Lumens	3248.0	0.0	3248.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	1.3
10°-20°	105.8	3.3
20°-30°	164.7	5.1
30°-40°	256.6	7.9
40°-50°	430.7	13.3
50°-60°	684.3	21.1
60°-70°	912.7	28.1
70°-80°	551.2	17.0
80°-90°	99.8	3.1
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°	3248.0	100.0
0°-180°	3248.0	100.0

Coefficient of Utilization



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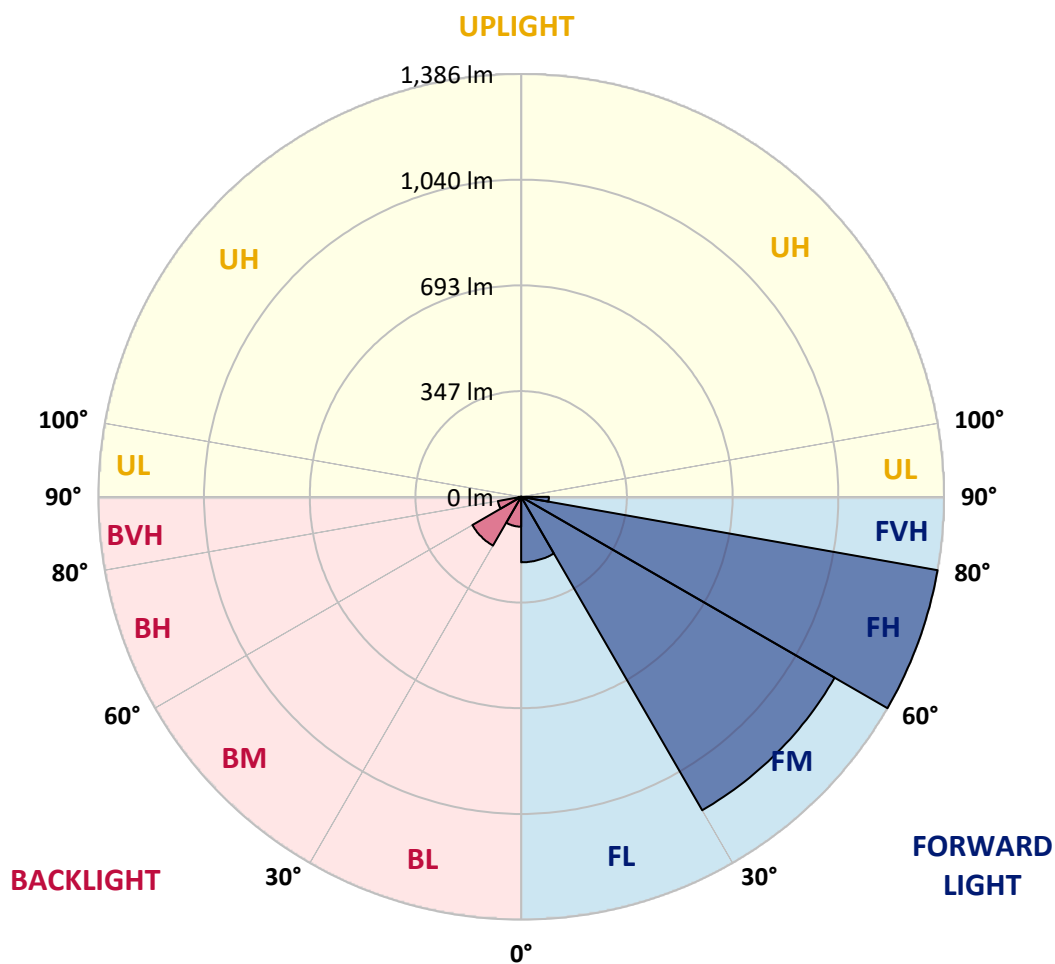
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	214.8	6.6			
FM	(30°-60°)	1186.7	36.5			
FH	(60°-80°)	1386.3	42.7			G1/1800
FVH	(80°-90°)	90.8	2.8			G1/100
BL	(0°-30°)	98.0	3.0	B0/110		
BM	(30°-60°)	184.9	5.7	B0/220		
BH	(60°-80°)	77.6	2.4	B0/110		G0/110
BVH	(80°-90°)	9.0	0.3			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1
2.5°	502.7	502.5	501.2	500.2	499.4	499.0	499.7	497.2	495.1	492.4	489.6
5°	498.9	498.7	496.6	494.6	492.6	491.9	491.8	487.3	484.7	480.7	475.4
7.5°	494.7	493.9	491.1	487.8	484.3	482.7	481.0	475.3	472.3	468.3	462.2
10°	490.5	489.5	486.8	483.5	480.2	477.7	474.9	469.3	466.2	463.2	456.1
12.5°	486.0	485.2	484.5	483.0	480.7	478.6	476.4	471.6	468.3	464.9	456.6
15°	485.3	485.0	486.5	487.5	486.2	484.8	482.5	478.4	474.9	471.5	460.7
17.5°	490.6	490.5	494.3	496.9	496.2	493.9	490.8	486.2	483.4	480.4	467.0
20°	502.2	503.0	507.6	511.1	507.8	504.5	499.4	492.9	491.4	490.1	473.4
22.5°	524.0	524.8	528.1	529.4	520.8	516.1	508.9	500.7	499.7	500.7	481.2
25°	558.0	557.2	556.7	551.7	536.0	528.6	519.5	510.9	511.4	515.9	492.1
27.5°	603.1	598.6	591.7	576.8	551.9	543.6	532.6	524.6	527.8	536.4	508.5
30°	649.8	644.9	628.8	604.6	572.7	563.6	551.2	542.3	550.6	564.1	530.3
32.5°	693.1	692.4	669.0	637.8	601.4	593.5	581.1	571.0	584.4	605.1	562.9
35°	740.3	741.8	713.7	676.2	640.2	632.0	623.1	615.5	633.3	661.7	610.3
37.5°	790.8	793.8	760.6	718.3	684.5	681.0	675.7	672.4	700.0	739.3	676.6
40°	858.4	855.4	809.3	765.9	738.8	738.7	737.0	741.0	786.9	840.7	761.6
42.5°	930.7	922.0	861.0	816.9	798.4	804.0	807.4	823.5	891.4	963.9	865.3
45°	1008.7	989.0	914.7	870.9	864.7	876.5	887.8	922.9	1014.4	1104.1	978.9
47.5°	1070.9	1051.9	970.2	927.6	941.3	959.3	980.9	1036.6	1152.2	1248.9	1091.1
50°	1120.0	1107.6	1026.2	993.6	1025.7	1053.4	1088.7	1165.2	1295.5	1390.0	1194.9
52.5°	1167.5	1158.3	1082.6	1061.3	1124.7	1163.1	1211.1	1303.3	1442.5	1528.7	1282.3
55°	1210.4	1203.8	1143.4	1145.7	1241.3	1291.2	1351.6	1460.5	1602.6	1652.4	1356.3
57.5°	1258.8	1250.4	1212.8	1251.6	1391.1	1455.8	1534.4	1637.2	1752.9	1762.3	1412.6
60°	1307.5	1300.3	1289.7	1373.8	1581.3	1649.4	1723.9	1808.4	1905.3	1847.7	1409.3
62.5°	1349.8	1350.6	1369.3	1502.1	1767.6	1846.4	1937.2	2020.8	2043.2	1862.6	1305.1
65°	1421.5	1434.5	1490.2	1683.7	2029.9	2135.2	2246.7	2233.3	2081.4	1723.7	1081.6
67.5°	1506.7	1529.7	1642.4	1925.8	2361.3	2501.2	2544.3	2281.4	1928.6	1401.2	771.0
70°	1498.1	1529.7	1708.2	2106.3	2634.4	2728.2	2597.4	2064.7	1531.5	915.4	409.5
72.5°	1330.3	1375.4	1574.2	2023.6	2548.4	2540.1	2254.9	1539.2	909.9	367.6	160.0
75°	1013.9	1059.5	1230.6	1598.7	2014.2	1944.8	1600.0	850.3	345.3	146.0	100.9
77.5°	583.3	618.6	750.7	980.4	1277.8	1206.7	890.6	378.2	168.1	101.7	78.8
80°	325.6	345.3	425.6	497.4	626.2	574.0	398.5	235.0	125.5	73.8	60.8
82.5°	257.4	275.0	344.1	313.8	286.0	263.9	228.9	209.2	100.2	46.6	36.3
85°	224.9	241.6	291.3	247.0	195.4	179.2	185.9	205.9	77.9	28.1	31.0
87.5°	208.4	230.7	259.6	190.4	152.1	134.8	171.6	225.7	25.1	17.5	12.6
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°	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1
2.5°	487.2	484.5	480.2	476.4	470.5	467.3	463.9	461.4	459.4	457.8	460.4
5°	472.1	467.2	458.1	448.3	436.8	427.7	420.1	413.0	408.1	404.7	407.1
7.5°	457.9	449.8	435.6	418.0	398.1	381.3	367.4	355.2	346.8	341.3	343.5
10°	449.8	439.8	417.8	390.1	360.8	334.6	312.8	293.9	280.9	273.5	274.6
12.5°	447.8	434.8	404.4	366.3	326.3	289.8	259.1	233.0	214.7	205.1	205.4
15°	449.3	432.7	391.9	343.5	293.0	246.9	208.6	176.9	155.6	144.7	144.5
17.5°	451.8	431.0	378.7	318.9	259.1	205.6	162.8	131.8	113.0	104.2	103.5
20°	454.5	428.4	363.8	292.3	223.9	167.3	127.5	103.2	91.3	86.5	86.2
22.5°	458.3	426.1	348.4	264.2	189.4	136.2	104.9	88.5	82.2	79.8	79.4
25°	464.4	424.9	332.1	235.0	158.4	113.9	91.3	81.2	77.6	76.0	75.8
27.5°	474.6	426.5	316.7	206.6	133.1	98.9	83.7	77.6	75.0	73.5	73.3
30°	487.8	431.7	300.5	179.7	113.4	88.7	79.1	75.1	73.0	71.5	71.5
32.5°	509.8	440.3	283.5	156.4	99.4	81.6	75.6	73.0	71.2	70.0	69.9
35°	542.1	456.4	267.7	137.1	89.3	76.5	72.7	70.7	69.4	68.7	68.7
37.5°	589.2	482.0	253.6	123.2	83.2	73.0	69.9	68.4	67.5	67.5	67.5
40°	652.5	517.4	242.3	113.9	79.8	70.5	67.7	66.5	66.1	66.2	66.2
42.5°	730.6	563.3	234.7	107.5	78.1	69.0	66.2	65.2	64.7	64.6	64.7
45°	819.6	615.5	233.8	102.7	76.5	68.0	65.2	64.2	63.2	62.6	62.6
47.5°	906.1	668.5	240.6	101.1	74.6	66.9	64.4	63.4	61.9	60.4	60.4
50°	982.6	713.6	249.7	101.7	74.0	65.2	63.1	62.6	60.3	58.6	58.5
52.5°	1043.3	748.2	257.1	103.7	74.6	64.1	61.4	61.6	59.1	57.3	57.1
55°	1092.0	771.0	255.1	105.7	76.1	63.4	59.9	60.3	58.3	56.5	56.5
57.5°	1113.3	762.6	233.2	104.0	77.3	63.6	58.8	60.1	58.5	56.8	56.8
60°	1067.6	687.8	192.1	96.8	75.8	63.1	58.3	60.8	60.6	59.0	58.8
62.5°	929.2	553.9	149.0	86.0	70.7	60.6	57.0	60.6	62.4	61.9	61.8
65°	716.2	394.5	113.8	74.5	63.7	56.5	53.5	56.8	59.3	59.9	59.8
67.5°	464.9	241.8	87.7	63.6	56.0	51.7	49.0	50.5	51.0	51.0	50.7
70°	228.5	130.1	69.9	53.5	48.1	46.6	45.1	44.3	43.4	42.8	42.8
72.5°	112.8	85.0	57.5	45.2	41.4	40.8	40.5	39.5	38.8	38.0	37.7
75°	83.4	69.2	48.9	38.1	35.7	35.0	35.7	34.8	34.7	34.0	33.7
77.5°	68.5	59.0	42.1	32.7	30.6	29.4	30.4	30.6	30.7	29.7	29.4
80°	55.7	49.9	35.2	27.1	25.1	24.3	24.9	26.3	26.6	25.1	24.4
82.5°	40.1	40.8	28.4	21.1	19.5	18.8	20.1	21.8	22.1	20.0	19.5
85°	33.7	34.0	21.8	15.0	13.4	12.4	14.5	16.2	17.3	15.2	14.7
87.5°	14.0	20.0	12.6	8.4	7.4	6.4	7.8	8.6	10.4	9.6	9.4
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)