

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: P199979

Luminaire Tested: **GPC-AF-01-LED-E1-SL4-7030-600-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P199979
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24301)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-AF-01-LED-E1-SL4-7030-600-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3288.7 lumens
Efficiency: N/A
Efficacy: 96.7 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

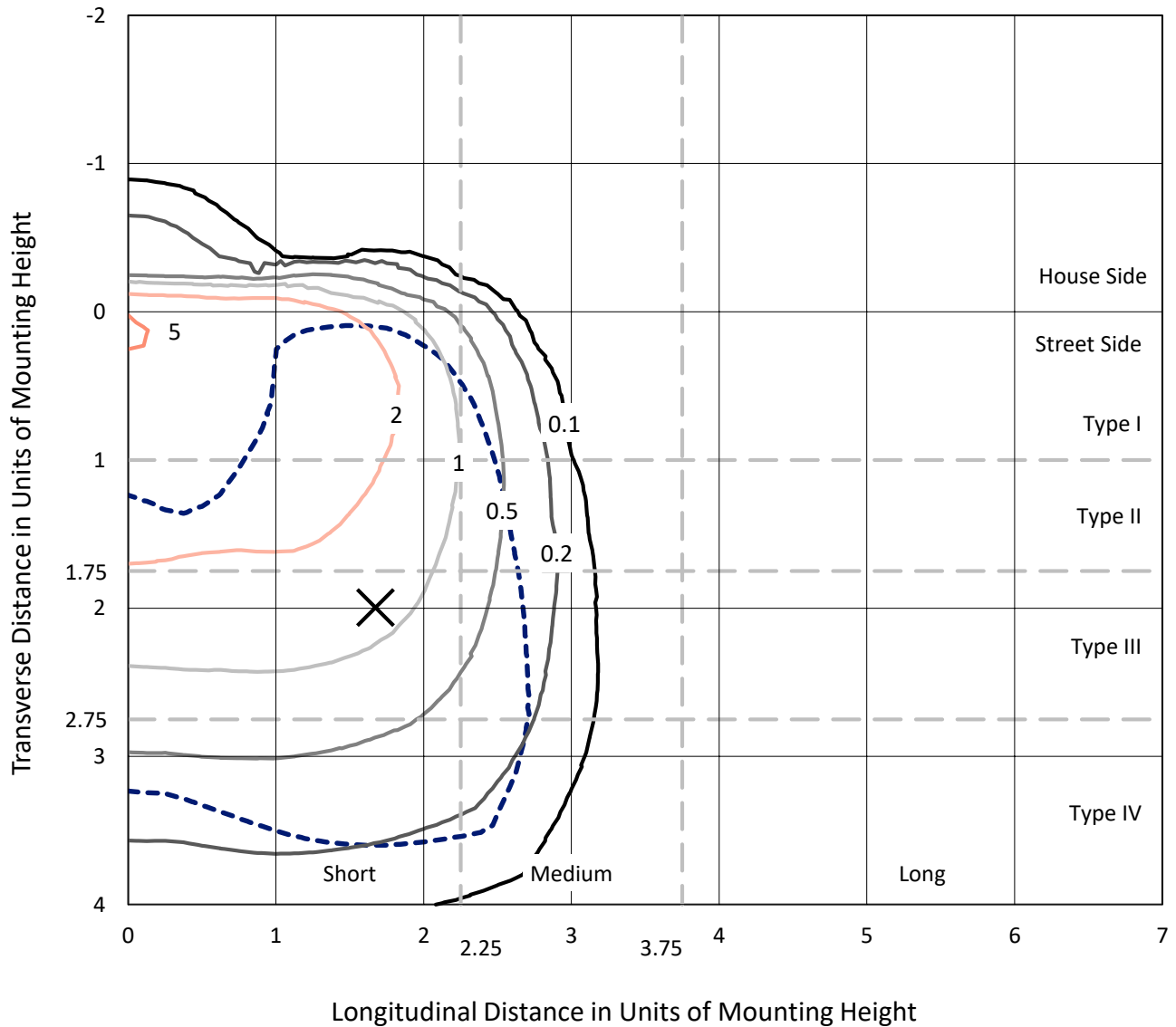


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Iso-Footcandle Lines of Horizontal Illumination

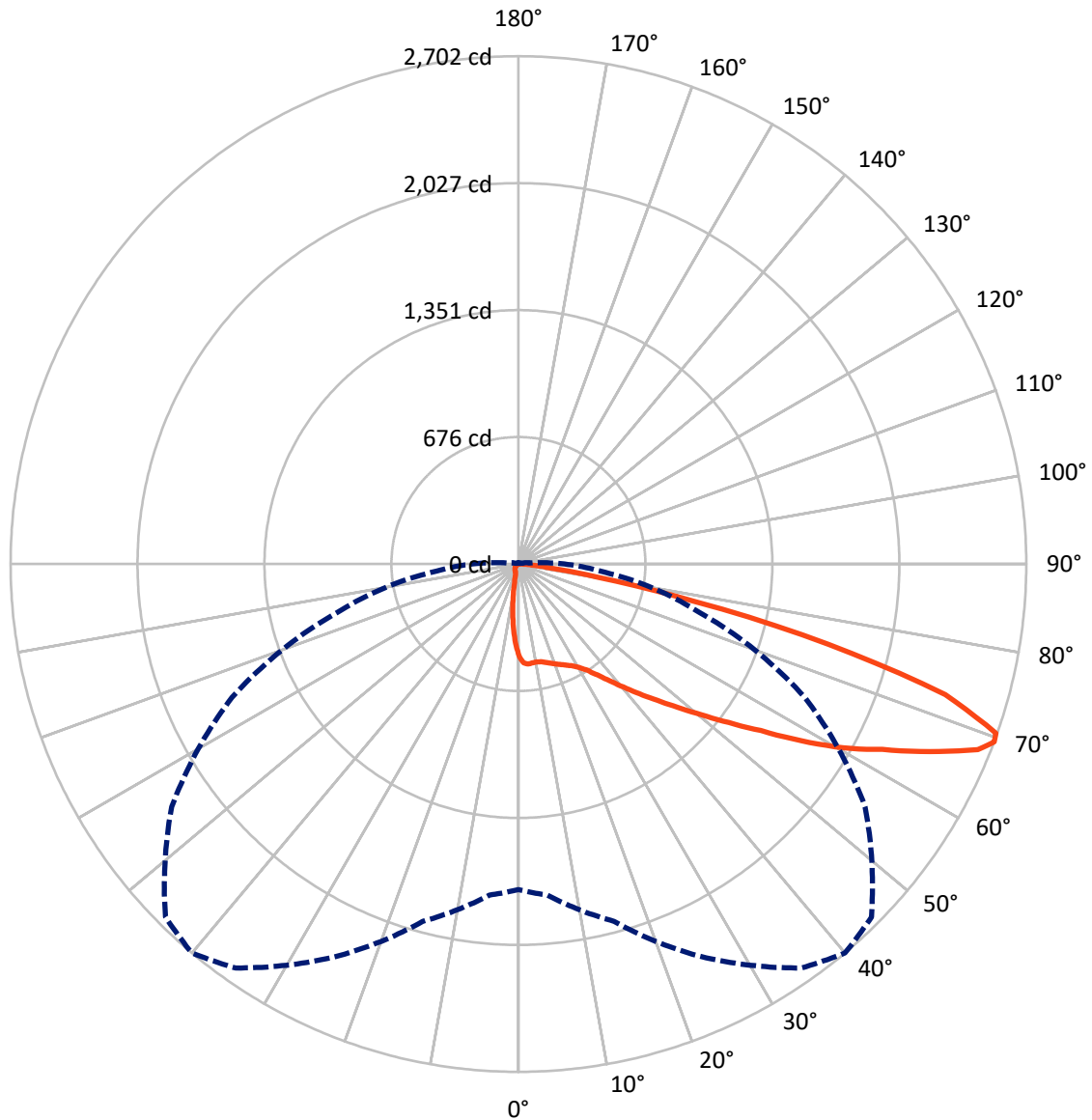
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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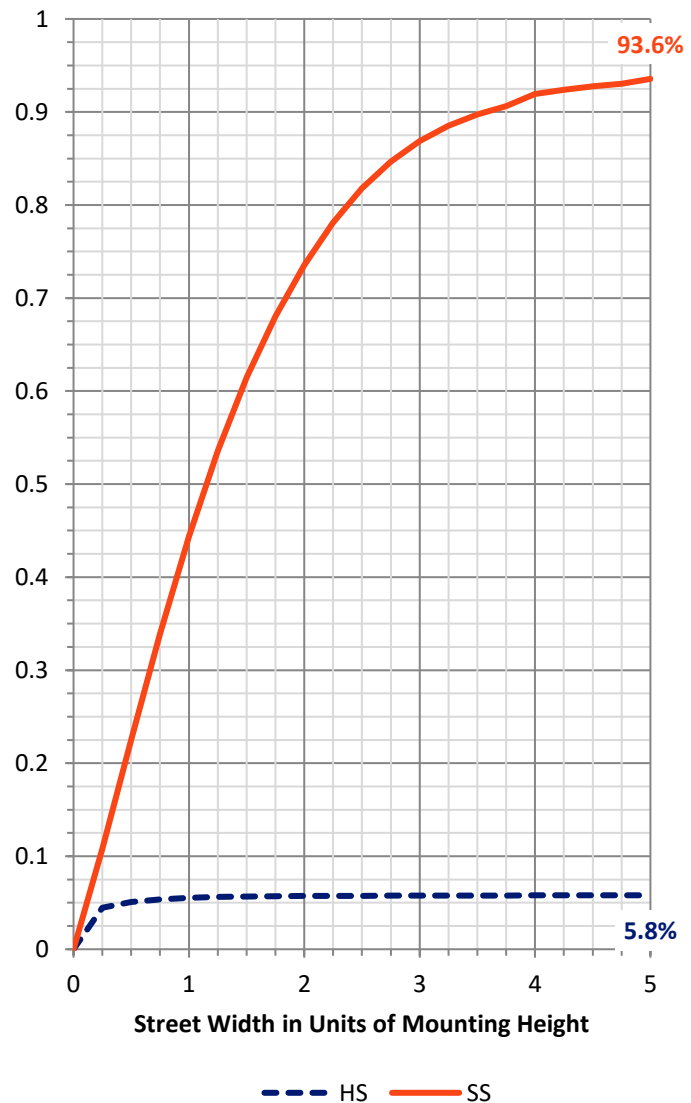
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	192.4	0.0	192.4
	% Fixture	5.9	0.0	5.9
Street Side	Lumens	3096.3	0.0	3096.3
	% Fixture	94.1	0.0	94.1
Total	Lumens	3288.7	0.0	3288.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.8	1.2
10°-20°	98.0	3.0
20°-30°	165.0	5.0
30°-40°	270.1	8.2
40°-50°	467.7	14.2
50°-60°	736.7	22.4
60°-70°	962.1	29.3
70°-80°	495.6	15.1
80°-90°	53.6	1.6
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°	3288.7	100.0
0°-180°	3288.7	100.0



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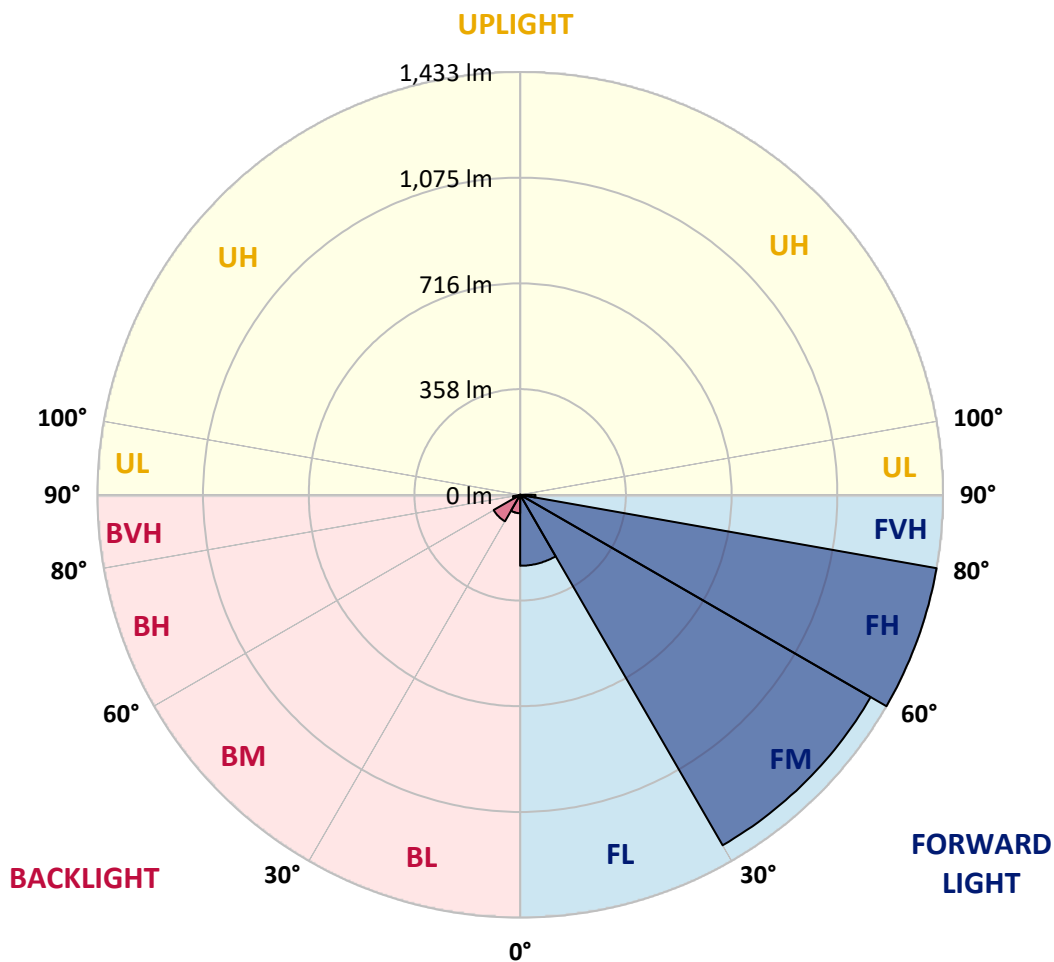
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	240.5	7.3			
FM	(30°-60°)	1371.2	41.7			
FH	(60°-80°)	1432.7	43.6			G1/1800
FVH	(80°-90°)	51.9	1.6			G1/100
BL	(0°-30°)	62.3	1.9	B0/110		
BM	(30°-60°)	103.4	3.1	B0/220		
BH	(60°-80°)	25.0	0.8	B0/110		G0/110
BVH	(80°-90°)	1.7	0.1			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°	40°	45°	55°	65°	75°	85°
0°	491.3	491.3	491.3	491.3	491.3	491.3	491.3	491.3	491.3	491.3	491.3
2.5°	539.5	536.6	534.9	532.4	529.5	526.9	526.0	518.8	511.9	502.5	491.7
5°	549.5	548.5	545.4	542.3	538.7	534.9	532.6	524.0	514.3	500.5	481.8
7.5°	550.4	549.2	545.4	541.1	536.1	531.4	527.7	519.2	510.1	496.2	473.3
10°	548.9	547.5	544.5	539.8	533.8	529.4	525.6	517.4	509.8	497.2	471.8
12.5°	547.2	545.8	544.4	542.0	536.8	533.6	530.5	522.7	515.8	505.3	477.5
15°	548.9	548.2	549.7	548.7	545.8	543.0	539.8	532.8	526.6	517.8	487.9
17.5°	556.3	556.3	561.3	561.8	559.1	555.1	550.6	543.6	538.3	530.9	500.2
20°	573.7	573.2	579.4	580.6	573.9	567.9	561.3	552.7	548.5	543.8	512.3
22.5°	603.7	600.9	604.6	603.5	590.4	581.0	572.7	562.2	560.1	557.9	525.7
25°	642.7	641.2	643.6	632.1	609.0	596.2	586.5	574.6	574.6	576.7	541.1
27.5°	699.3	693.4	684.7	664.4	629.8	613.5	602.9	590.2	593.5	601.6	561.3
30°	757.1	750.7	731.0	699.6	655.0	638.0	625.6	612.3	620.1	634.8	588.3
32.5°	814.3	807.1	779.1	739.5	691.2	674.2	662.2	647.6	660.7	685.4	627.8
35°	869.7	863.2	831.0	784.4	739.3	725.3	714.3	701.6	718.4	752.9	683.6
37.5°	932.0	925.0	885.6	835.1	797.9	787.8	779.7	767.0	796.4	846.9	761.3
40°	1008.6	996.6	943.6	893.2	865.7	860.8	855.3	853.6	899.1	969.0	864.9
42.5°	1096.2	1076.6	1004.2	954.5	940.0	943.6	942.2	950.0	1027.7	1120.9	990.9
45°	1184.0	1158.7	1071.8	1019.9	1021.9	1034.1	1041.8	1073.2	1188.8	1295.2	1126.6
47.5°	1258.3	1233.4	1136.6	1090.5	1114.0	1138.4	1159.0	1218.4	1354.5	1466.6	1232.1
50°	1321.9	1298.4	1205.2	1168.3	1221.1	1260.3	1293.9	1381.8	1532.6	1597.2	1306.0
52.5°	1374.1	1358.3	1276.4	1257.3	1343.5	1400.8	1450.2	1555.6	1690.4	1703.3	1363.7
55°	1424.7	1413.6	1353.0	1363.2	1487.1	1565.2	1627.8	1739.7	1826.3	1791.8	1418.8
57.5°	1483.0	1473.0	1440.4	1497.5	1676.0	1774.4	1842.4	1903.0	1945.8	1882.2	1470.9
60°	1542.5	1536.7	1537.5	1646.7	1892.9	1987.3	2024.9	2040.5	2063.3	1967.3	1473.8
62.5°	1599.3	1610.5	1648.5	1812.7	2100.6	2173.0	2192.1	2207.6	2181.0	1980.9	1361.7
65°	1695.4	1713.6	1804.3	2034.9	2329.1	2406.7	2426.2	2373.1	2199.5	1806.3	1107.6
67.5°	1742.4	1775.7	1937.3	2242.0	2550.6	2636.9	2629.7	2383.9	1973.8	1377.3	710.8
69°	1732.7	1768.1	1968.1	2305.5	2624.3	2702.4	2656.4	2252.2	1681.5	997.7	436.4
70°	1693.8	1729.7	1952.3	2303.0	2633.7	2695.5	2606.7	2089.5	1421.8	729.7	272.9
72.5°	1414.6	1445.5	1733.2	2081.7	2426.2	2376.0	2180.7	1447.5	692.8	198.8	61.5
75°	870.7	888.0	1243.6	1568.2	1832.5	1703.3	1452.9	720.2	206.5	56.2	34.1
77.5°	460.0	467.8	680.8	924.4	1161.7	961.2	744.7	280.9	95.2	35.3	24.7
80°	271.9	277.7	366.7	422.7	502.7	419.9	297.7	172.4	68.2	22.1	22.0
82.5°	155.5	159.3	265.8	234.9	198.1	169.2	148.1	163.5	40.9	14.9	22.7
85°	57.2	57.9	149.5	178.7	117.9	70.0	73.6	135.5	10.9	9.4	17.8
87.5°	26.7	26.0	76.9	109.5	69.0	44.5	57.4	29.7	4.3	6.1	4.9
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°	491.3	491.3	491.3	491.3	491.3	491.3	491.3	491.3	491.3	491.3	491.3
2.5°	485.4	478.2	465.1	451.6	437.9	427.3	417.0	408.7	406.0	400.9	401.3
5°	470.6	457.2	429.9	402.1	373.1	349.2	326.6	308.5	299.7	290.7	290.7
7.5°	457.7	438.3	395.4	350.1	303.4	264.1	228.7	202.0	187.4	175.6	175.4
10°	452.8	426.5	366.7	301.9	236.6	183.0	141.0	113.9	100.1	91.0	90.6
12.5°	454.9	422.4	344.5	257.2	175.4	117.7	81.6	64.3	58.4	55.6	55.6
15°	461.2	421.3	322.5	213.6	123.9	73.6	54.2	49.5	49.1	49.1	49.1
17.5°	468.8	421.6	299.7	171.1	84.3	52.7	46.8	46.2	46.6	46.6	46.6
20°	476.7	421.8	275.3	131.7	59.5	45.8	44.0	43.8	44.2	44.2	44.5
22.5°	486.3	422.9	250.7	98.5	49.1	43.2	41.8	41.8	42.1	42.1	41.8
25°	497.2	424.8	225.3	72.9	44.8	41.5	40.3	40.1	40.3	40.1	40.0
27.5°	510.9	427.5	196.8	57.2	42.8	39.8	38.8	38.8	38.6	38.4	38.1
30°	528.2	430.7	165.0	48.5	40.9	38.1	37.1	37.0	36.8	36.4	36.4
32.5°	554.4	437.5	133.6	44.0	38.8	36.0	35.3	35.3	34.9	34.4	34.3
35°	594.7	451.0	105.3	41.3	36.4	33.7	32.7	32.7	32.3	32.1	31.9
37.5°	650.5	471.6	81.8	38.8	34.1	31.1	30.1	29.9	29.6	29.2	29.0
40°	724.7	497.0	64.4	36.4	31.6	28.6	27.8	27.5	26.7	26.0	26.0
42.5°	818.0	526.0	52.2	33.9	29.0	26.2	25.6	25.0	23.7	23.1	23.0
45°	915.4	552.1	44.2	30.9	26.2	23.9	23.5	22.5	20.8	20.2	20.2
47.5°	985.6	558.1	39.0	28.2	23.7	21.3	21.2	19.3	17.8	17.4	17.3
50°	1029.4	546.2	34.6	25.4	21.3	19.0	18.3	16.3	15.3	14.9	14.6
52.5°	1059.0	524.8	31.1	23.1	19.2	16.8	15.6	13.8	13.1	12.7	12.7
55°	1082.8	494.7	27.7	21.0	17.4	15.1	13.1	11.9	11.2	10.8	10.8
57.5°	1089.5	453.8	24.0	19.2	15.7	13.3	11.2	10.4	9.4	9.2	9.2
60°	1041.0	380.0	21.3	17.1	14.1	11.6	9.9	8.8	7.8	7.6	7.4
62.5°	913.6	294.0	18.8	15.1	12.3	10.0	8.4	7.2	6.4	6.4	6.4
65°	696.8	197.1	16.5	13.1	10.8	8.4	7.2	5.9	5.5	5.5	5.7
67.5°	417.2	107.3	14.1	11.2	9.2	7.1	6.1	5.1	4.9	5.1	5.1
69°	244.5	63.1	12.7	10.0	7.9	6.2	5.3	4.5	4.9	5.1	5.1
70°	150.9	42.5	11.8	9.0	7.2	5.7	4.9	4.3	4.7	4.9	4.9
72.5°	42.1	22.0	9.4	7.1	5.9	4.7	4.0	4.0	4.5	4.7	4.7
75°	27.5	16.3	7.2	5.3	4.5	3.8	3.3	3.8	4.3	4.5	4.5
77.5°	22.7	13.3	5.9	4.3	3.8	3.5	3.2	3.3	4.0	4.2	4.2
80°	20.8	9.4	4.7	4.0	3.3	3.2	2.9	2.7	3.5	3.8	3.8
82.5°	19.7	7.4	4.2	3.5	3.2	2.7	2.5	2.7	3.2	3.3	3.5
85°	12.3	4.9	3.8	3.3	2.7	2.5	2.5	2.5	2.9	3.2	3.2
87.5°	4.5	4.0	3.3	2.7	2.4	2.4	2.4	2.4	2.5	2.9	2.9
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)