

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: P200651

Luminaire Tested: **GPC-AF-01-LED-E1-T2-8030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200651
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24139)
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-T2-8030-600
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3354 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B1 - U0 - G1

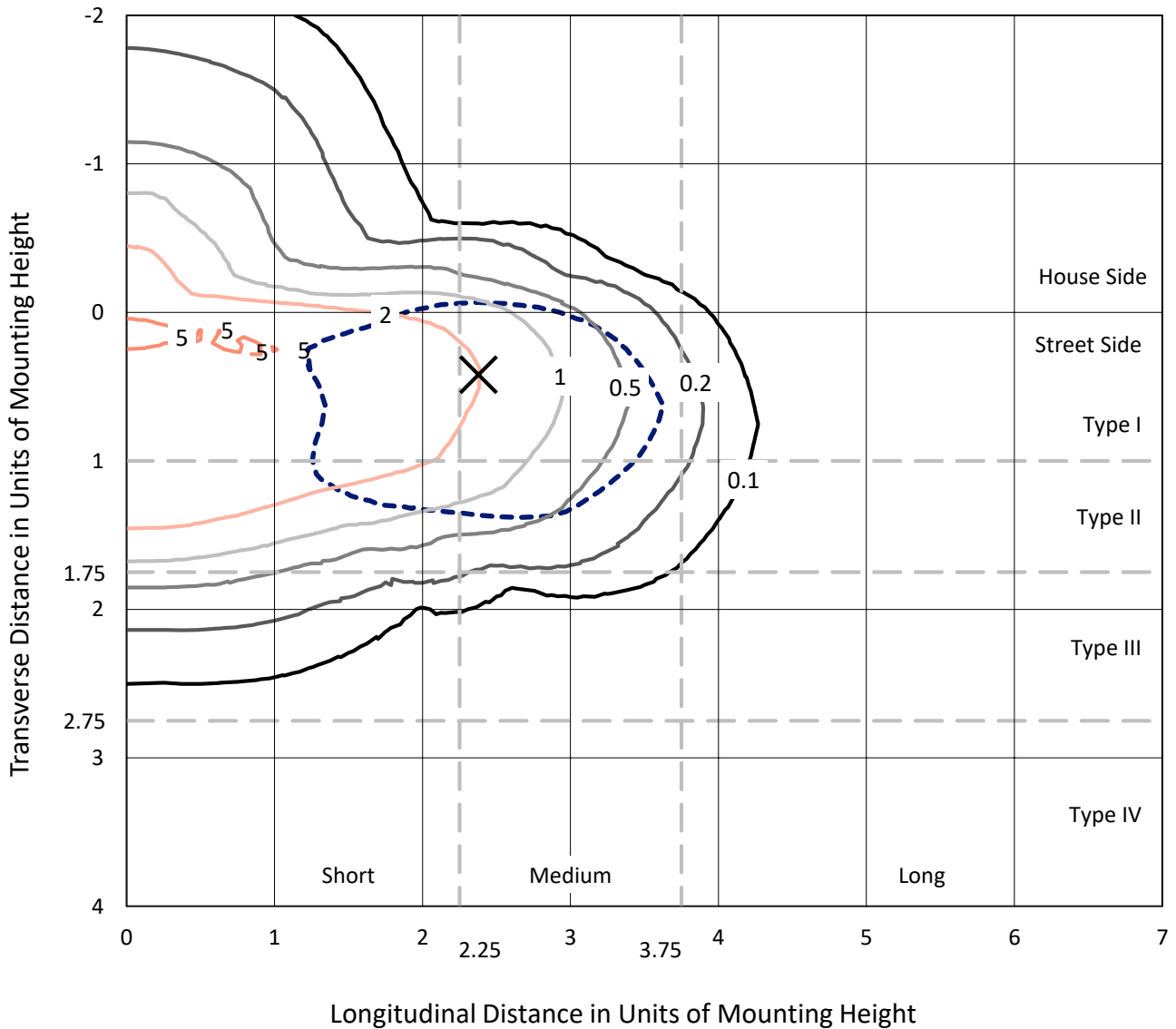
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

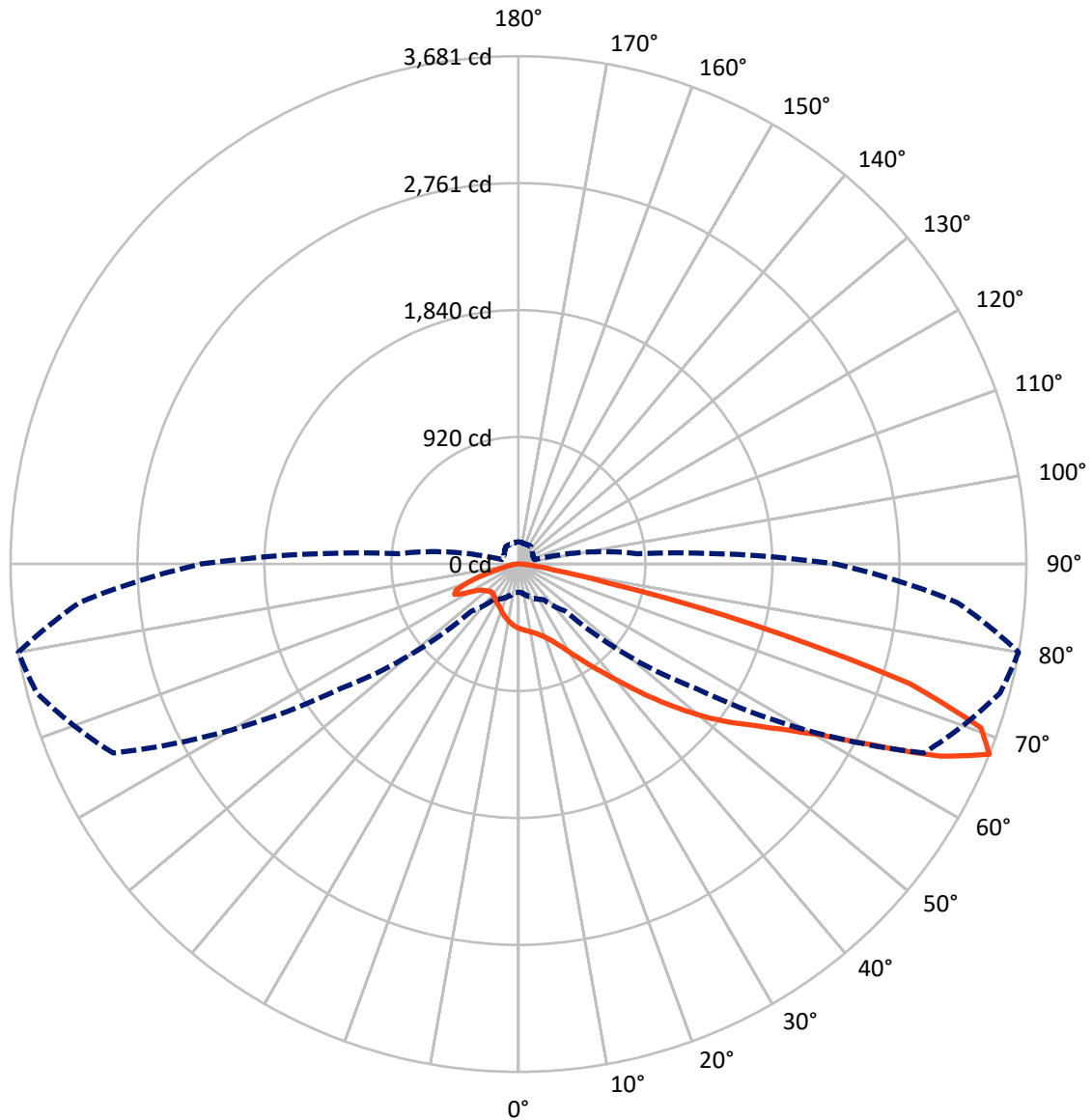
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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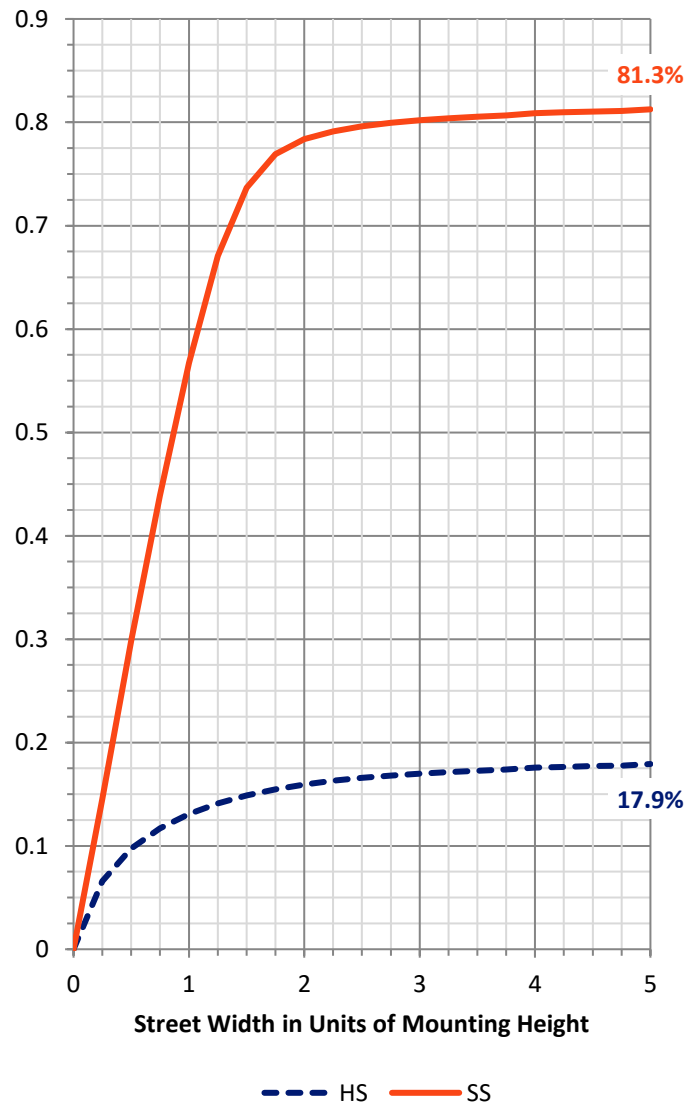
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	617.7	0.0	617.7
	% Fixture	18.4	0.0	18.4
Street Side	Lumens	2736.3	0.0	2736.3
	% Fixture	81.6	0.0	81.6
Total	Lumens	3354.0	0.0	3354.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.0	1.3
10°-20°	123.8	3.7
20°-30°	205.0	6.1
30°-40°	335.3	10.0
40°-50°	541.3	16.1
50°-60°	781.5	23.3
60°-70°	862.4	25.7
70°-80°	397.5	11.9
80°-90°	64.3	1.9
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°	3354.0	100.0
0°-180°	3354.0	100.0



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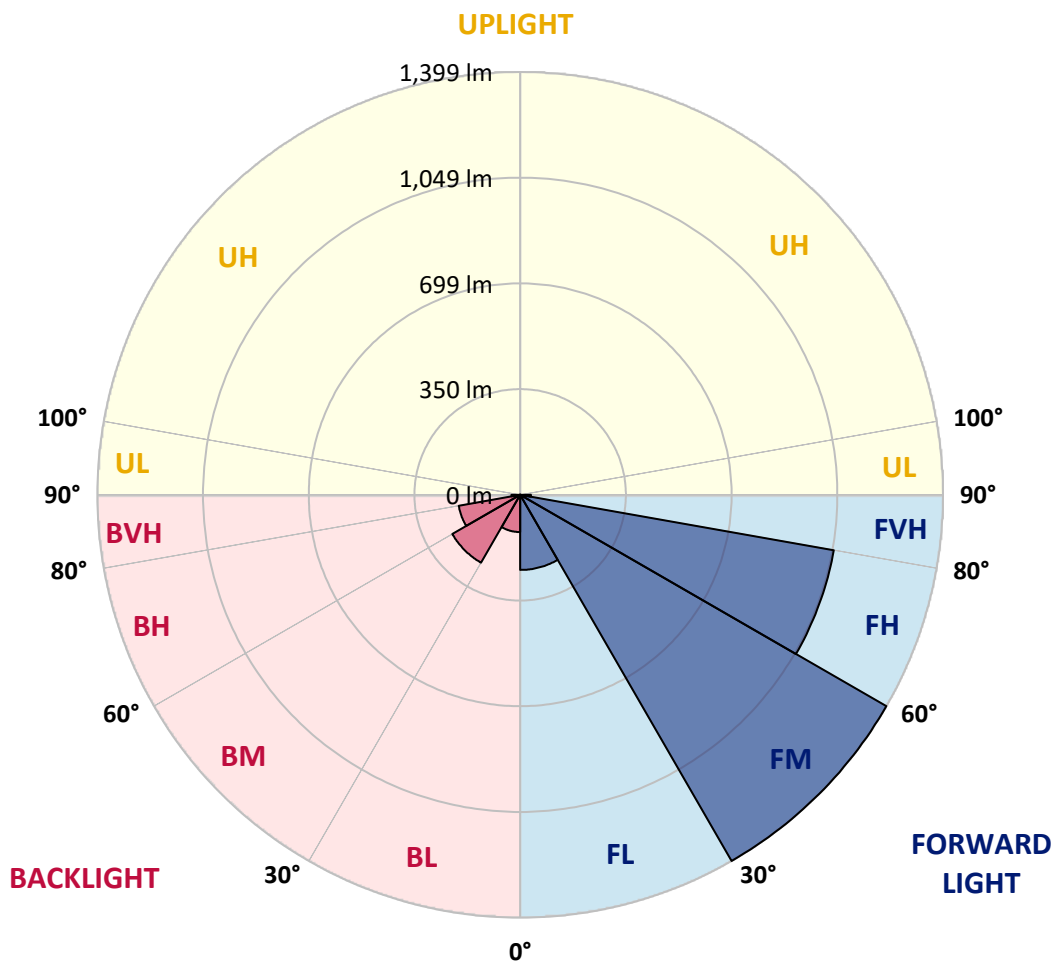
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	248.5	7.4			
FM	(30°-60°)	1398.9	41.7			
FH	(60°-80°)	1053.6	31.4			G1/1800
FVH	(80°-90°)	35.4	1.1			G1/100
BL	(0°-30°)	123.2	3.7	B1/500		
BM	(30°-60°)	259.2	7.7	B1/1000		
BH	(60°-80°)	206.3	6.2	B1/500		G1/500
BVH	(80°-90°)	28.9	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0
2.5°	509.7	506.8	507.2	506.4	503.9	499.7	495.0	486.6	477.9	473.2	469.6
5°	552.3	551.5	550.3	547.7	541.4	532.5	521.4	506.6	490.6	482.1	474.1
7.5°	584.2	583.7	582.2	580.6	574.5	563.7	547.0	525.9	502.6	491.1	478.5
10°	586.8	587.7	588.8	593.3	594.1	588.3	571.3	545.7	515.2	500.3	484.3
12.5°	564.4	566.2	570.7	582.0	594.1	601.2	592.4	566.5	529.9	511.9	491.6
15°	534.7	535.6	541.1	556.8	578.4	600.4	608.6	589.5	548.9	526.7	502.5
17.5°	521.9	522.4	526.2	536.6	556.8	588.2	617.7	614.4	572.1	545.2	515.8
20°	515.5	516.7	522.1	532.3	545.1	572.5	619.0	641.3	599.9	568.3	532.7
22.5°	533.8	533.3	535.3	540.4	551.2	567.7	618.0	669.1	635.2	598.1	554.6
25°	576.6	578.4	574.9	569.2	572.6	584.2	623.3	699.1	679.5	636.2	583.4
27.5°	637.5	635.7	630.6	617.1	610.0	614.9	640.8	731.5	734.5	686.4	621.3
30°	698.3	696.8	691.9	675.3	660.8	656.7	674.8	768.6	800.0	746.7	667.9
32.5°	761.4	759.7	755.1	738.6	721.1	711.5	723.2	811.6	877.3	818.7	722.7
35°	839.1	836.0	826.3	803.3	786.1	778.7	784.2	865.6	966.4	903.9	789.3
37.5°	912.3	917.1	907.2	875.5	853.2	850.5	856.6	931.4	1062.5	999.1	865.7
40°	985.8	986.6	977.7	951.8	928.8	924.5	939.9	1011.4	1176.0	1113.1	958.7
42.5°	1061.7	1063.4	1048.3	1024.4	1007.6	1008.4	1025.9	1105.0	1306.1	1247.3	1065.7
45°	1151.7	1154.2	1137.7	1106.3	1090.9	1121.8	1114.6	1210.0	1448.8	1399.9	1188.5
47.5°	1245.8	1249.6	1237.1	1207.7	1188.5	1231.0	1203.2	1326.4	1602.3	1563.5	1323.4
50°	1297.2	1302.6	1314.8	1312.7	1308.6	1301.5	1302.1	1451.2	1760.7	1733.9	1462.1
52.5°	1269.6	1269.4	1314.0	1368.2	1426.0	1430.3	1422.7	1582.8	1908.6	1900.5	1592.7
55°	1143.5	1152.0	1219.6	1324.4	1482.3	1580.9	1603.3	1733.6	2053.9	2063.3	1725.3
57.5°	933.4	940.5	1031.7	1177.8	1406.3	1670.4	1860.2	1952.7	2216.4	2260.3	1901.9
60°	633.1	641.7	738.3	913.8	1201.9	1620.5	2104.8	2343.7	2410.9	2510.8	2149.5
62.5°	372.0	379.8	458.5	576.4	846.2	1388.8	2212.1	2900.0	2719.9	2888.8	2527.3
65°	256.1	261.4	299.7	358.8	486.3	935.4	2079.0	3284.1	3195.2	3357.1	2965.4
67.5°	206.1	205.4	235.8	276.1	313.1	482.3	1572.1	3240.6	3613.3	3680.9	3192.8
70°	169.7	169.1	189.7	223.1	250.2	271.6	856.3	2734.7	3528.1	3555.5	2983.4
72.5°	142.0	142.7	155.9	180.6	205.2	204.6	376.3	1923.8	2775.5	2965.1	2378.2
75°	119.9	120.2	129.0	146.5	166.6	164.8	204.1	1042.2	1613.4	1745.3	1318.3
77.5°	102.0	102.4	108.0	117.7	132.1	131.4	148.9	450.3	673.0	664.8	450.9
80°	91.0	91.0	93.6	95.4	103.4	100.4	110.5	216.3	284.5	262.7	180.0
82.5°	71.3	71.7	87.8	87.2	81.4	77.6	77.6	127.5	150.8	139.4	105.3
85°	40.1	40.0	56.6	68.4	71.7	54.7	54.2	71.3	82.1	72.3	51.0
87.5°	17.2	17.5	26.3	30.4	40.6	34.0	33.5	36.8	41.8	36.2	23.6
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°	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0	466.0
2.5°	466.1	461.8	452.4	440.7	430.1	423.2	416.9	407.8	408.3	402.1	397.4
5°	465.8	456.9	435.1	409.2	384.2	366.2	352.7	340.5	337.5	331.7	328.3
7.5°	466.1	451.6	414.9	373.5	342.6	319.8	308.3	301.8	300.4	298.4	298.5
10°	467.3	446.8	392.8	340.1	307.8	292.8	290.0	291.9	294.2	294.9	295.1
12.5°	469.9	442.5	368.5	310.4	286.0	281.4	286.2	292.9	297.4	299.5	299.4
15°	475.9	439.2	345.3	287.1	273.9	276.4	285.3	294.9	301.3	304.3	304.5
17.5°	482.3	434.4	321.3	269.3	265.0	271.3	282.4	293.6	301.5	304.8	305.5
20°	490.7	428.5	296.2	255.9	256.6	263.7	274.1	285.3	294.1	296.9	298.2
22.5°	501.8	422.0	274.3	245.0	247.0	252.5	260.6	270.3	277.9	279.2	280.4
25°	516.7	415.1	256.8	235.1	236.0	239.1	244.5	250.3	255.6	254.1	255.3
27.5°	536.6	409.2	243.7	226.0	224.6	225.2	228.0	229.8	232.7	228.5	229.0
30°	560.1	402.7	233.6	218.1	214.0	212.8	213.5	214.5	216.6	211.0	210.2
32.5°	587.3	395.0	224.2	211.2	205.4	203.1	203.4	206.1	214.3	210.9	209.0
35°	619.0	386.2	214.3	203.6	199.6	196.3	196.0	204.3	228.9	226.7	225.1
37.5°	656.2	377.5	204.4	195.0	195.3	191.7	190.5	200.0	231.7	223.2	222.1
40°	703.4	372.8	196.0	185.9	190.1	189.6	187.2	192.0	213.2	197.8	195.8
42.5°	761.9	373.5	189.7	176.2	183.8	189.1	185.4	185.6	193.2	181.6	179.8
45°	834.0	381.3	185.3	168.4	176.7	188.6	184.8	182.1	182.8	176.7	175.7
47.5°	918.2	397.3	182.1	162.0	169.9	186.8	184.6	181.1	179.7	176.3	175.5
50°	1011.9	420.6	179.8	155.9	163.8	183.8	184.8	180.1	178.5	177.2	176.7
52.5°	1103.8	447.1	176.3	150.6	159.0	180.1	185.3	179.2	177.3	176.3	175.9
55°	1206.4	480.3	171.1	146.1	155.0	175.5	185.3	177.7	175.7	175.9	175.7
57.5°	1344.9	534.0	164.8	142.3	150.3	169.9	182.1	176.0	173.5	173.7	173.9
60°	1561.4	628.6	157.2	138.5	144.3	163.3	177.8	172.4	169.9	170.6	170.7
62.5°	1879.7	767.5	147.3	132.9	138.0	156.2	171.9	167.8	165.3	166.9	166.9
65°	2210.6	890.0	135.1	125.8	131.4	148.4	164.5	162.0	159.5	163.3	163.1
67.5°	2299.6	862.6	122.8	118.1	124.8	139.9	155.5	154.2	152.9	159.5	159.2
70°	2042.9	692.5	111.6	110.1	117.6	130.6	146.0	146.0	145.1	150.1	148.9
72.5°	1556.4	491.1	100.9	101.7	109.3	120.5	135.6	136.7	135.4	137.9	136.9
75°	833.2	281.0	90.2	92.5	99.1	110.3	124.0	125.2	124.3	124.2	124.7
77.5°	276.9	137.4	78.9	82.6	88.3	99.7	112.0	113.8	111.8	111.5	111.3
80°	123.3	86.4	66.5	71.3	76.5	87.7	99.2	100.7	98.6	101.5	97.8
82.5°	79.3	56.8	53.3	58.6	63.6	75.6	86.5	86.9	84.9	98.6	84.0
85°	38.5	35.2	40.1	44.9	49.2	59.4	71.7	71.8	66.9	60.9	58.8
87.5°	19.2	20.5	26.7	31.0	33.2	40.8	52.2	51.2	49.0	44.6	41.1
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)