

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: P197536

Luminaire Tested: **TT-C1-LED-E1-CQ-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197536
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115423)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: TT-C1-LED-E1-CQ-MS/DIM-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
CONCENTRATED DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3603 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 28
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



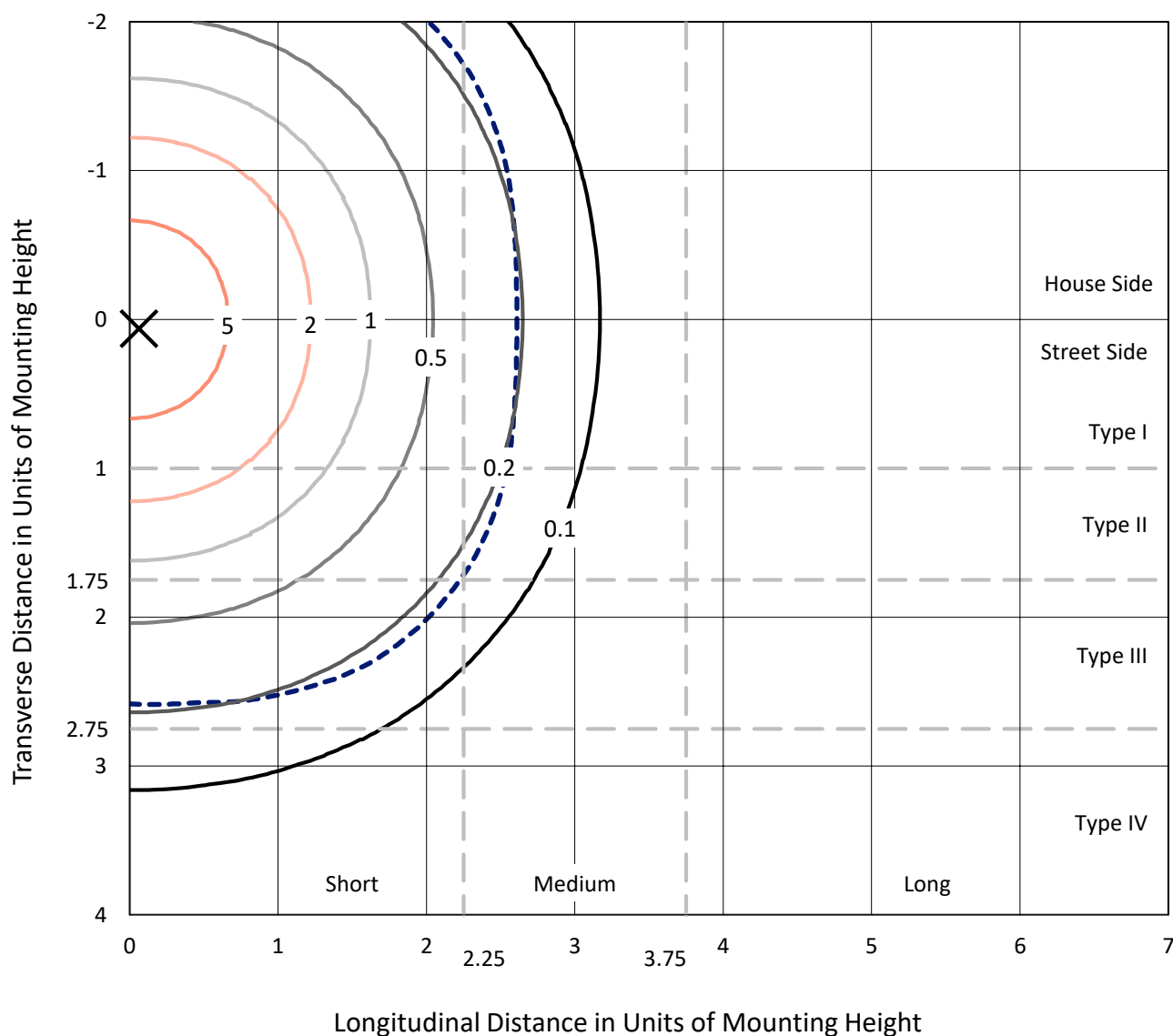
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

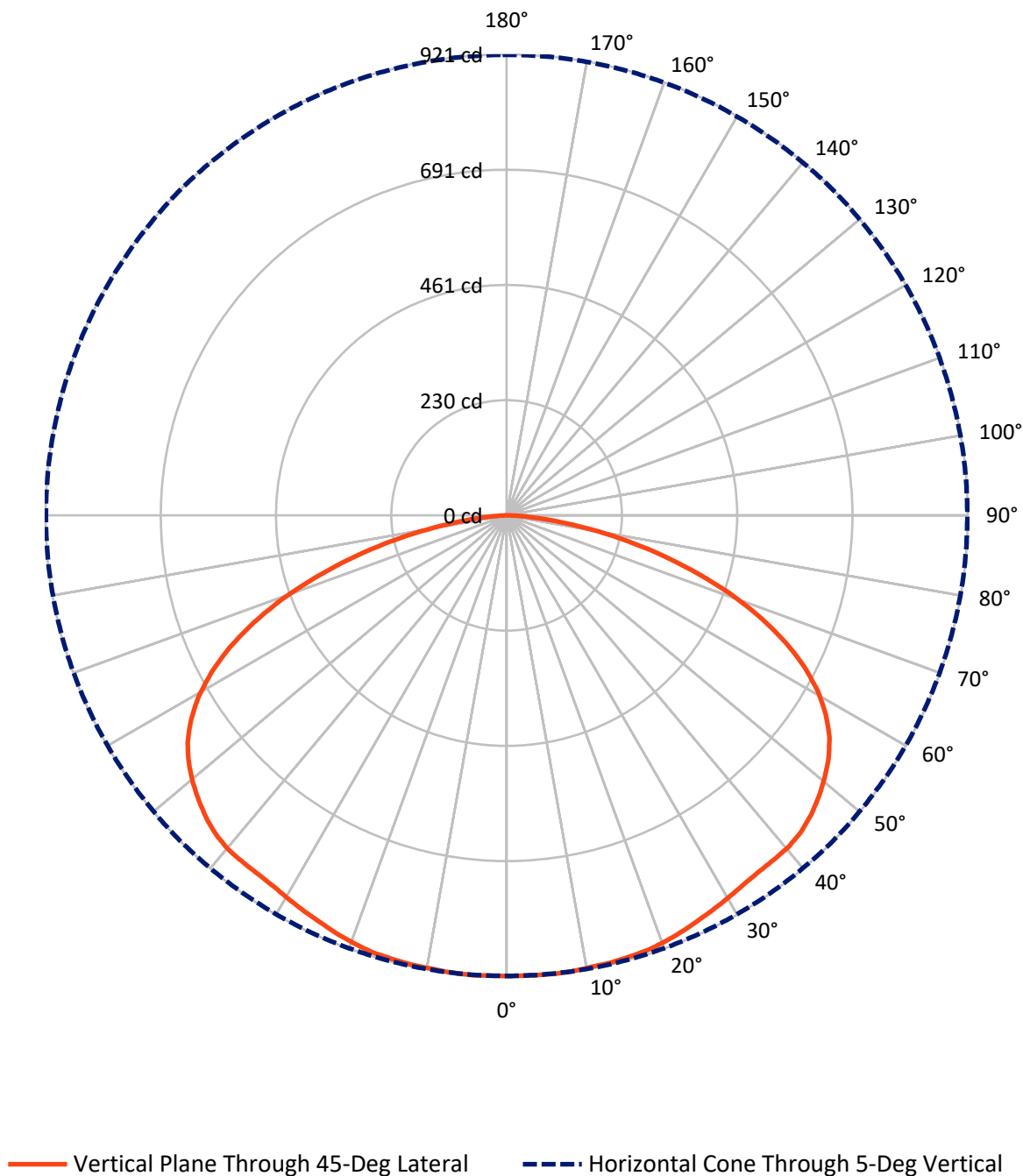


Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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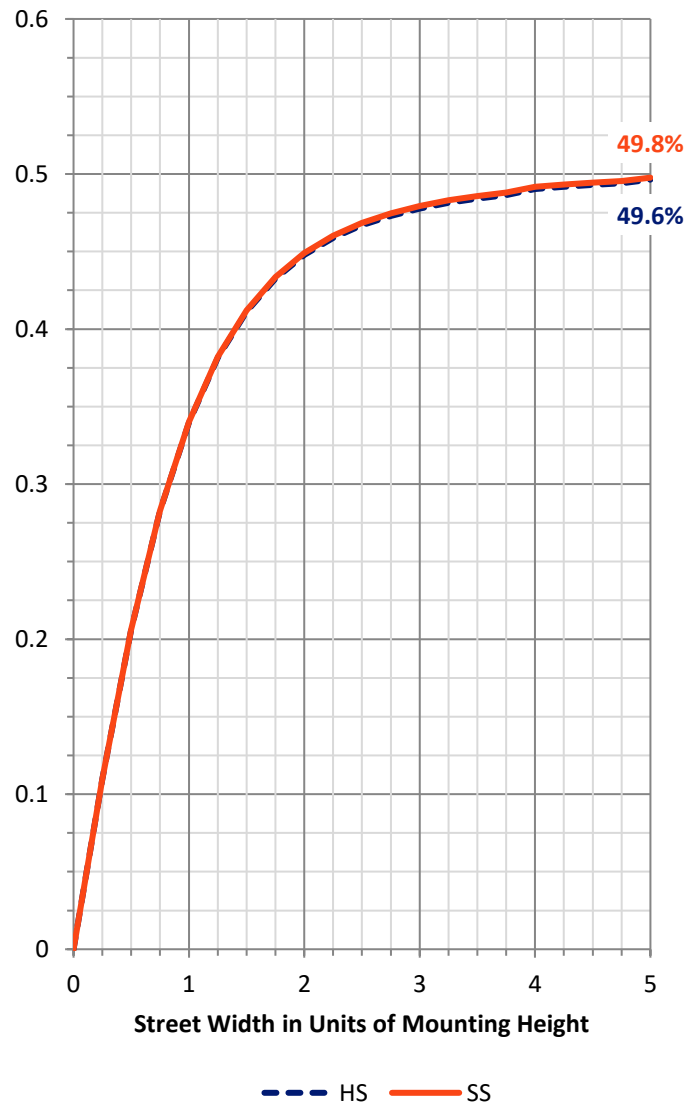
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1801.5	0.0	1801.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1801.5	0.0	1801.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3603.0	0.0	3603.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.8	2.4
10°-20°	259.0	7.2
20°-30°	413.3	11.5
30°-40°	544.3	15.1
40°-50°	647.5	18.0
50°-60°	677.7	18.8
60°-70°	576.3	16.0
70°-80°	327.5	9.1
80°-90°	69.6	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°	3603.0	100.0
0°-180°	3603.0	100.0

Coefficient of Utilization



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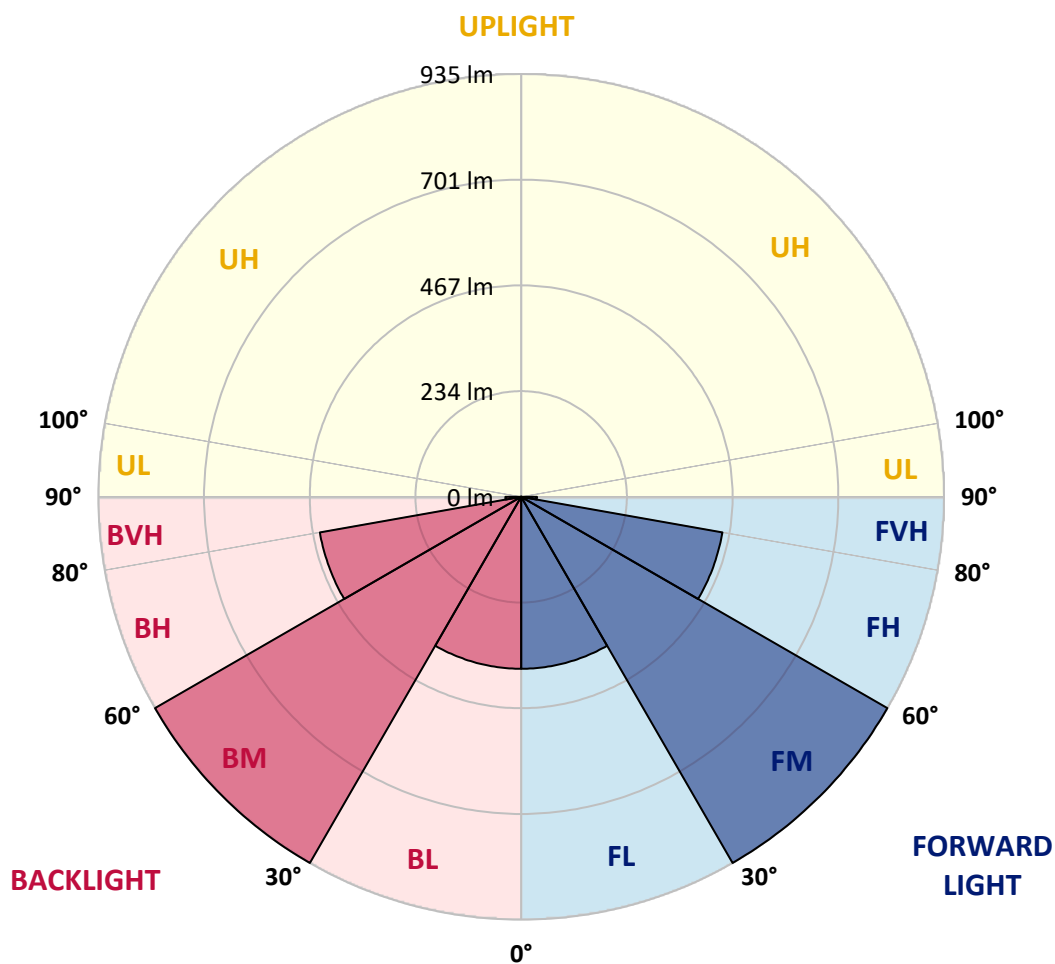
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	380.0	10.5			
FM	(30°-60°)	934.8	25.9			
FH	(60°-80°)	451.9	12.5			G0/660
FVH	(80°-90°)	34.8	1.0			G1/100
BL	(0°-30°)	380.0	10.5	B1/500		
BM	(30°-60°)	934.8	25.9	B1/1000		
BH	(60°-80°)	451.9	12.5	B1/500		G0/660
BVH	(80°-90°)	34.8	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-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	920.6	920.6	920.6	920.6	920.6	920.6	920.6	920.6	920.6	920.6	920.6
2.5°	920.6	920.6	920.6	920.6	920.6	920.6	920.6	920.6	920.6	920.6	920.6
5°	920.6	920.6	920.6	920.6	920.6	920.6	920.6	920.6	920.6	921.3	920.6
7.5°	919.8	919.8	919.8	919.8	920.6	919.8	919.8	920.6	920.6	920.6	920.6
10°	918.4	917.7	917.7	918.4	918.4	918.4	918.4	918.4	919.1	918.4	918.4
12.5°	916.3	915.6	916.3	916.3	916.3	917.0	917.0	917.0	917.7	917.7	917.0
15°	914.2	914.2	914.2	914.2	914.2	914.9	914.9	915.6	915.6	915.6	915.6
17.5°	911.3	911.3	911.3	912.0	912.0	912.7	912.7	912.7	913.4	913.4	913.4
20°	906.3	905.6	906.3	906.3	907.1	907.8	907.8	908.5	908.5	908.5	908.5
22.5°	899.2	899.2	900.0	900.0	900.7	901.4	901.4	902.1	902.1	902.1	902.1
25°	892.1	892.8	892.8	893.6	893.6	894.3	895.0	895.0	895.0	895.0	895.0
27.5°	885.0	885.7	885.7	885.7	886.5	887.2	887.9	888.6	889.3	888.6	888.6
30°	877.2	877.2	877.9	878.6	879.4	880.1	881.5	882.2	882.9	882.2	882.2
32.5°	868.7	869.4	870.1	870.8	872.2	873.7	875.1	875.8	876.5	875.8	875.8
35°	862.3	862.3	863.7	865.1	866.6	868.7	870.1	871.5	873.0	872.2	871.5
37.5°	855.9	855.9	857.3	859.5	862.3	865.1	868.0	870.1	870.8	870.8	870.1
40°	848.1	848.8	850.2	853.8	858.0	861.6	865.1	868.0	869.4	869.4	868.0
42.5°	839.6	840.3	842.4	846.0	850.9	855.2	859.5	861.6	863.7	863.7	862.3
45°	827.5	828.2	831.1	834.6	839.6	843.8	848.8	850.9	853.8	853.1	852.4
47.5°	811.9	812.6	815.4	819.0	823.9	828.9	833.9	837.4	839.6	839.6	838.9
50°	792.7	793.4	796.2	799.8	806.2	811.9	816.8	820.4	823.9	823.9	823.2
52.5°	768.5	770.0	772.1	777.1	784.2	790.6	797.0	802.6	804.8	805.5	804.8
55°	738.7	740.1	743.0	748.7	756.5	764.3	771.4	777.8	780.6	782.8	781.3
57.5°	703.9	705.3	708.9	715.3	723.8	731.6	740.8	747.9	750.1	752.2	751.5
60°	662.7	664.8	668.4	675.5	684.0	692.5	701.1	709.6	711.7	714.6	713.1
62.5°	614.4	616.5	620.1	627.9	637.1	645.0	654.9	662.7	664.8	667.7	667.0
65°	559.0	561.1	564.7	573.2	581.7	590.3	599.5	608.0	610.1	613.0	612.3
67.5°	495.8	497.9	501.5	511.4	519						

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	920.6	920.6	920.6	920.6	920.6	920.6	920.6	920.6
2.5°	920.6	920.6	920.6	920.6	920.6	920.6	920.6	920.6
5°	920.6	920.6	920.6	920.6	920.6	920.6	920.6	920.6
7.5°	919.8	919.8	919.8	919.8	919.8	919.8	919.1	919.8
10°	918.4	918.4	918.4	918.4	917.7	917.7	917.7	917.7
12.5°	917.0	917.0	916.3	916.3	916.3	916.3	915.6	915.6
15°	915.6	914.9	914.9	914.2	914.2	914.2	913.4	914.2
17.5°	913.4	912.7	912.7	912.0	912.0	911.3	911.3	911.3
20°	908.5	907.8	907.8	907.1	907.1	906.3	905.6	905.6
22.5°	901.4	901.4	901.4	900.7	900.0	900.0	899.2	899.2
25°	895.0	894.3	894.3	893.6	892.8	892.8	892.1	892.1
27.5°	888.6	887.9	887.2	885.7	885.7	885.0	884.3	883.6
30°	881.5	880.1	878.6	877.9	877.2	875.8	875.1	874.4
32.5°	874.4	873.0	871.5	870.1	868.0	867.3	865.9	865.9
35°	870.1	868.0	865.9	863.0	860.9	858.8	857.3	856.6
37.5°	868.0	865.1	861.6	858.0	854.5	851.7	849.5	849.5
40°	865.1	861.6	857.3	852.4	848.1	844.5	842.4	841.7
42.5°	859.5	855.9	850.2	846.0	840.3	836.7	833.9	833.2
45°	849.5	846.0	841.0	835.3	829.6	825.4	822.5	821.8
47.5°	836.7	832.5	826.8	821.1	815.4	810.5	807.6	806.9
50°	820.4	816.1	810.5	804.8	798.4	793.4	789.9	789.9
52.5°	801.9	797.0	790.6	784.2	777.1	772.1	768.5	767.8
55°	777.8	772.1	765.7	758.6	750.8	745.1	740.8	740.1
57.5°	747.9	741.6	734.5	726.6	718.8	712.4	707.5	706.7
60°	710.3	703.2	696.1	688.3	679.8	672.7	667.7	666.3
62.5°	664.1	656.3	648.5	641.4	632.2	625.1	620.1	618.7
65°	609.4	603.0	595.2	586.7	576.8	569.7	564.7	564.0
67.5°	545.5	539.1	531.3	523.5	513.5	507.2	502.2	500.8
70°	475.2	469.5	463.1	455.3	446.8	440.4	435.4	434.7
72.5°	400.6	395.6	390.0	384.3	375.7	370.8	366.5	365.8
75°	323.9	318.9	314.7	310.4	304.0	300.5	296.2	296.2
77.5°	245.8	244.3	241.5	236.5	233.0	230.1	228.0	226.6
80°	171.9	170.5	169.1	166.2	164.1	163.4	161.9	160.5
82.5°	105.1	104.4	105.1	103.7	103.0	103.0	102.3	100.9
85°	53.3	54.0	53.3	52.6	52.6	52.6	52.6	51.9
87.5°	17.0	17.8	17.0	16.3	16.3	16.3	16.3	15.6
90°	0.0							