

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-E1-5CQ-PM-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-E1-5CQ-PM-MS/DIM-7060
Description: TOPTIER LED AREA/SITE 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: 3482.8 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

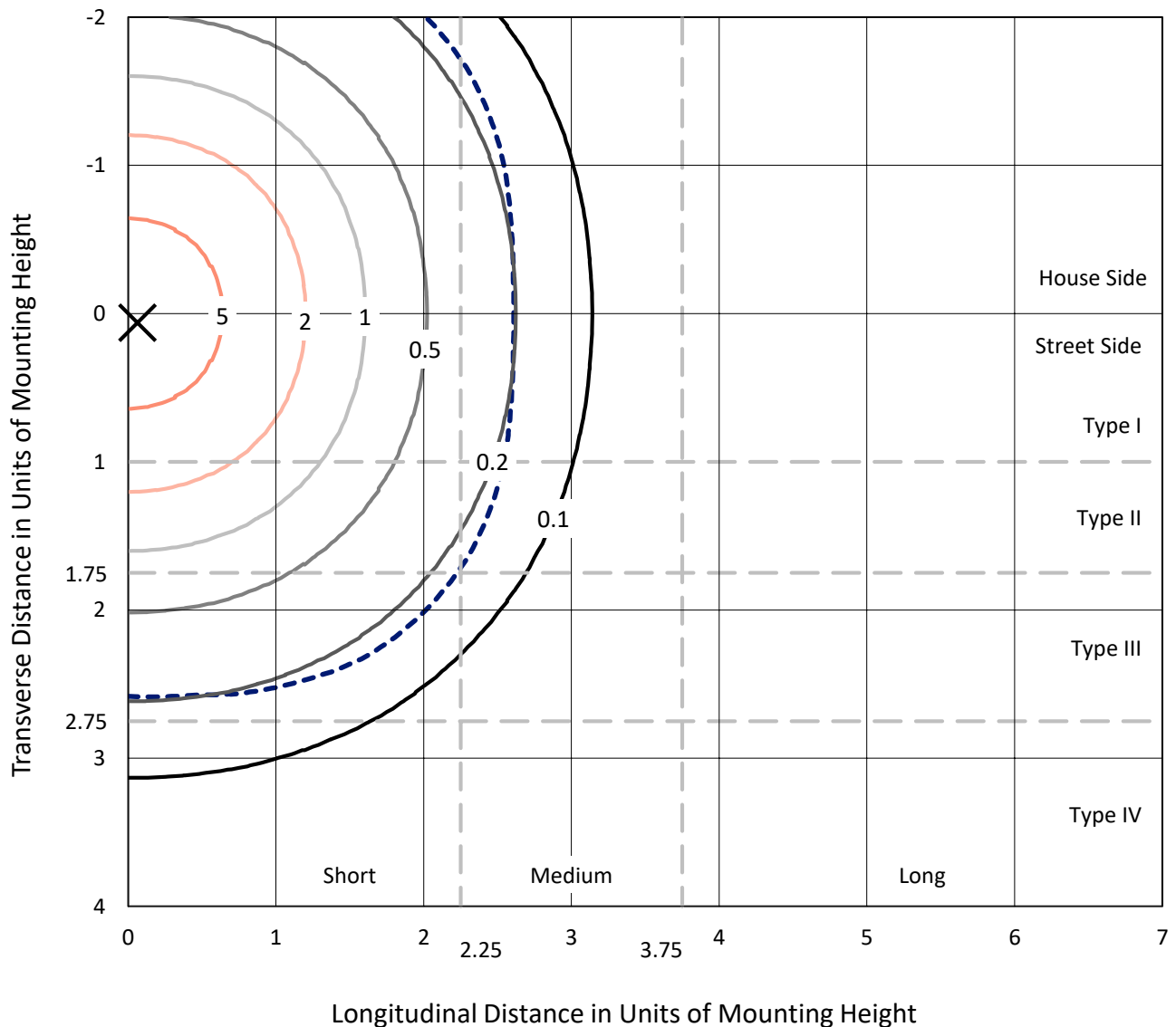
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P197536
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

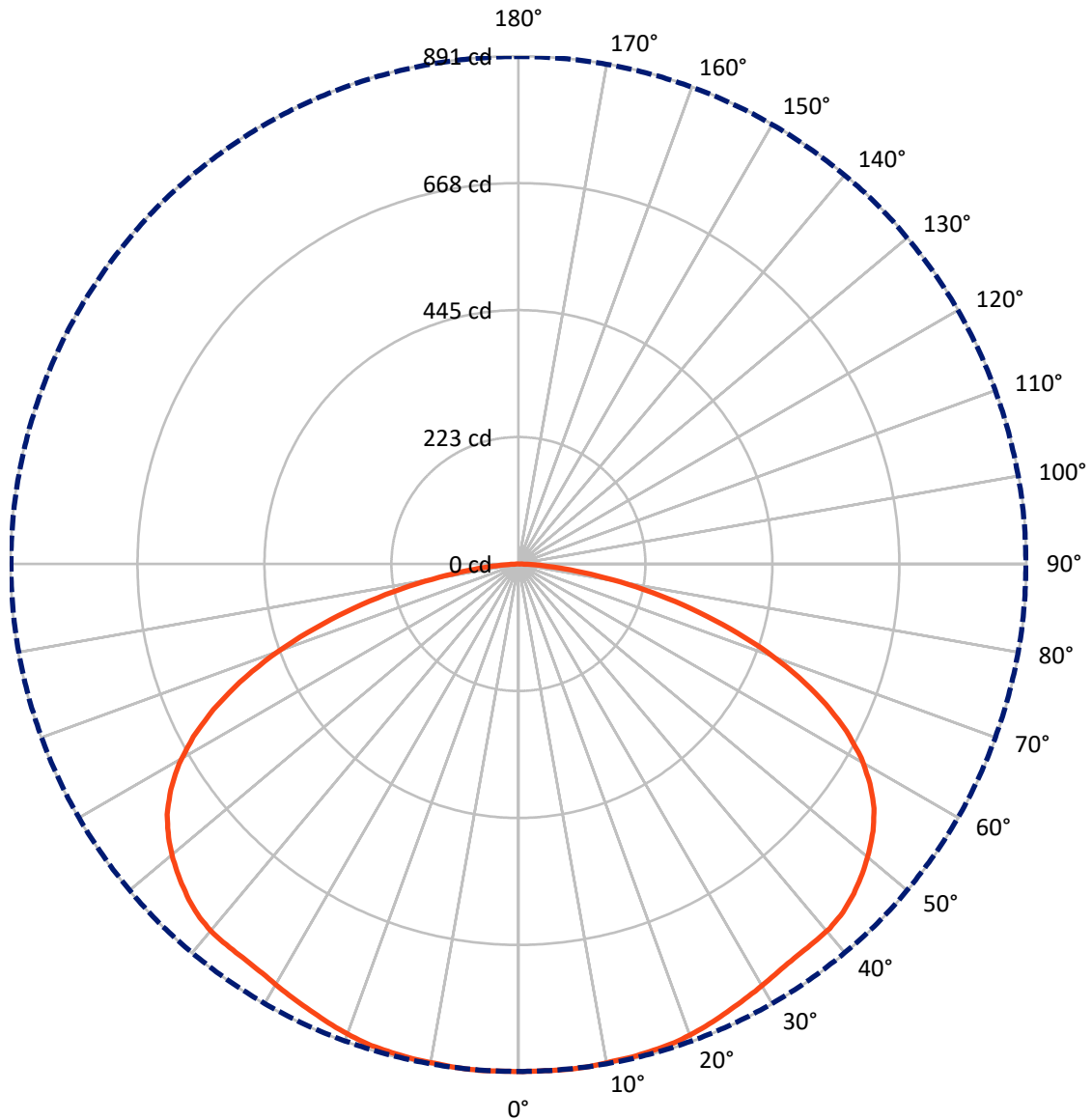


Based on 10 foot mounting height. Maximum calculated value = 8.9 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P197536

CATALOG NUMBER: TT-C1-LED-E1-5CQ-PM-MS/DIM-7060

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 5-Deg Vertical

REPORT NUMBER: P197536

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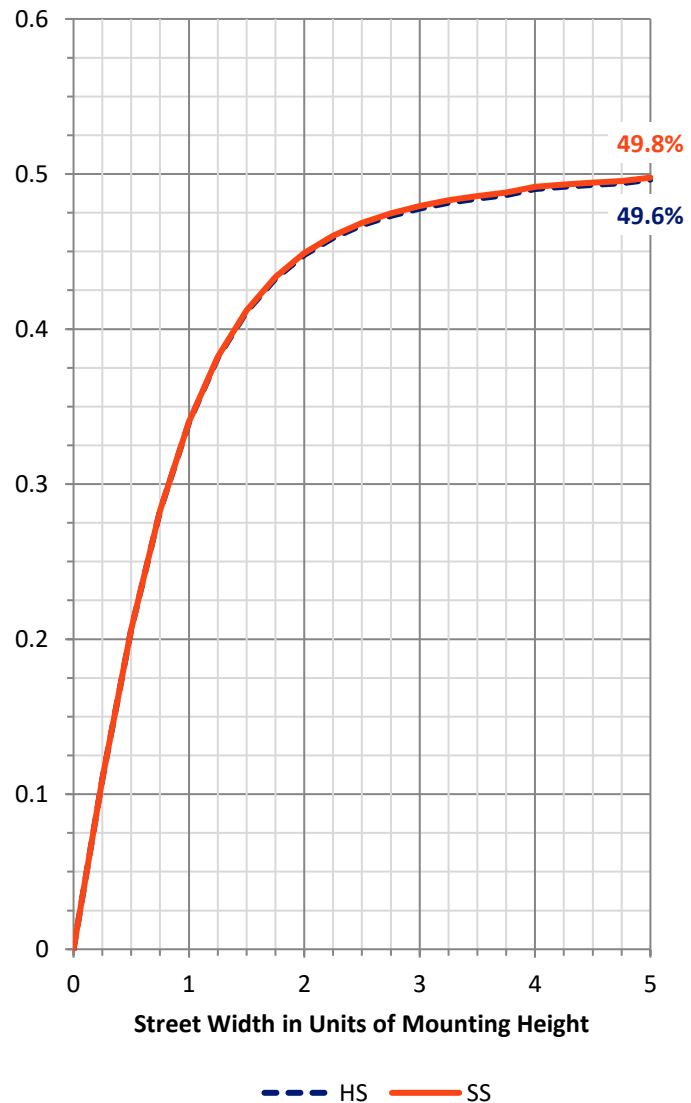
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1741.4	0.0	1741.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1741.4	0.0	1741.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	3482.8	0.0	3482.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.9	2.4
10°-20°	250.3	7.2
20°-30°	399.5	11.5
30°-40°	526.2	15.1
40°-50°	625.9	18.0
50°-60°	655.1	18.8
60°-70°	557.1	16.0
70°-80°	316.6	9.1
80°-90°	67.3	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°	3482.8	100.0
0°-180°	3482.8	100.0



REPORT NUMBER: P197536

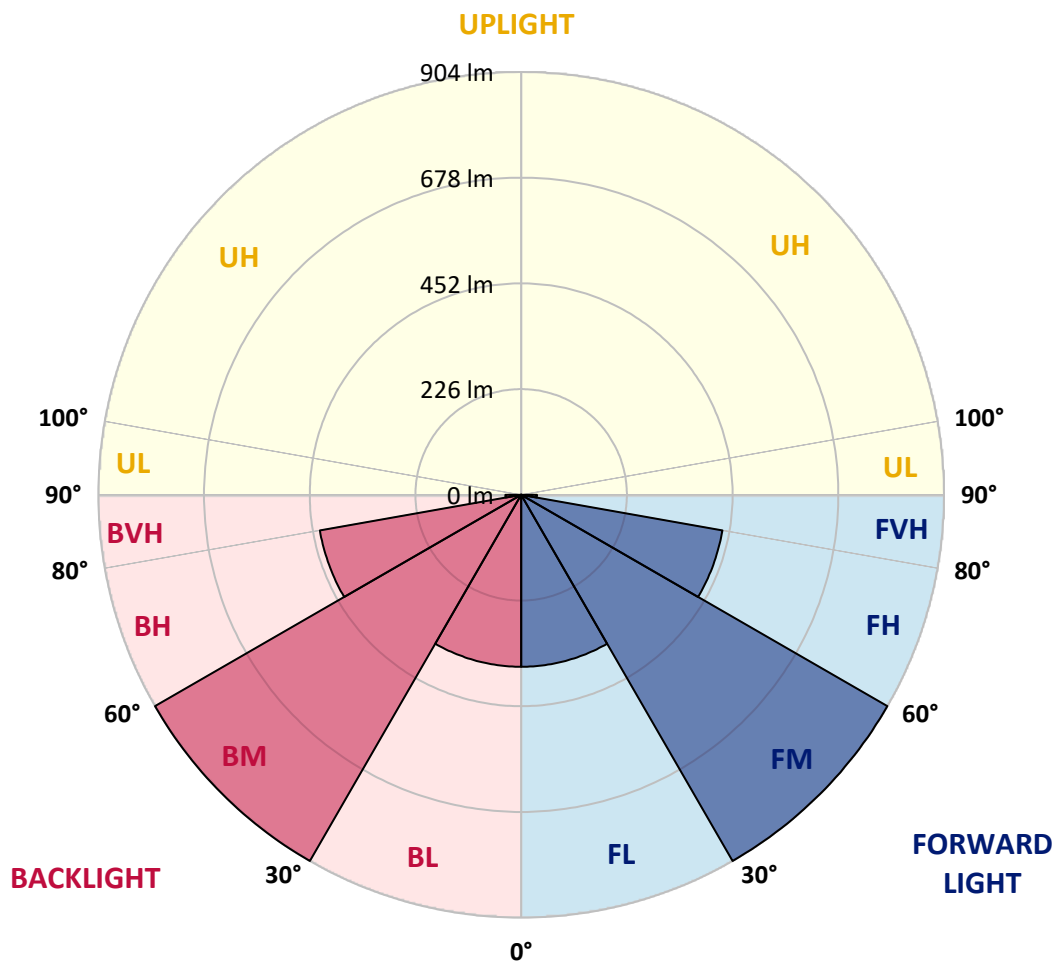
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	367.3	10.5			
FM	(30°-60°)	903.6	25.9			
FH	(60°-80°)	436.8	12.5			G0/660
FVH	(80°-90°)	33.7	1.0			G1/100
BL	(0°-30°)	367.3	10.5	B1/500		
BM	(30°-60°)	903.6	25.9	B1/1000		
BH	(60°-80°)	436.8	12.5	B1/500		G0/660
BVH	(80°-90°)	33.7	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





REPORT NUMBER: P197536

CATALOG NUMBER: TT-C1-LED-E1-5CQ-PM-MS/DIM-7060

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	889.9	889.9	889.9	889.9	889.9	889.9	889.9	889.9	889.9	889.9	889.9
2.5°	889.9	889.9	889.9	889.9	889.9	889.9	889.9	889.9	889.9	889.9	889.9
5°	889.9	889.9	889.9	889.9	889.9	889.9	889.9	889.9	889.9	890.6	889.9
7.5°	889.1	889.1	889.1	889.1	889.9	889.1	889.1	889.9	889.9	889.9	889.9
10°	887.8	887.1	887.1	887.8	887.8	887.8	887.8	887.8	888.4	887.8	887.8
12.5°	885.7	885.0	885.7	885.7	885.7	886.4	886.4	886.4	887.1	887.1	886.4
15°	883.7	883.7	883.7	883.7	883.7	884.4	884.4	885.0	885.0	885.0	885.0
17.5°	880.9	880.9	880.9	881.6	881.6	882.2	882.2	882.2	882.9	882.9	882.9
20°	876.1	875.4	876.1	876.1	876.8	877.5	877.5	878.2	878.2	878.2	878.2
22.5°	869.2	869.2	870.0	870.0	870.6	871.3	871.3	872.0	872.0	872.0	872.0
25°	862.3	863.0	863.0	863.8	863.8	864.5	865.1	865.1	865.1	865.1	865.1
27.5°	855.5	856.1	856.1	856.1	856.9	857.6	858.3	858.9	859.6	858.9	858.9
30°	847.9	847.9	848.6	849.3	850.1	850.7	852.1	852.8	853.4	852.8	852.8
32.5°	839.7	840.4	841.1	841.7	843.1	844.5	845.9	846.6	847.3	846.6	846.6
35°	833.5	833.5	834.9	836.2	837.7	839.7	841.1	842.4	843.9	843.1	842.4
37.5°	827.3	827.3	828.7	830.8	833.5	836.2	839.0	841.1	841.7	841.7	841.1
40°	819.8	820.5	821.8	825.3	829.4	832.8	836.2	839.0	840.4	840.4	839.0
42.5°	811.6	812.3	814.3	817.8	822.5	826.7	830.8	832.8	834.9	834.9	833.5
45°	799.9	800.6	803.4	806.7	811.6	815.6	820.5	822.5	825.3	824.6	824.0
47.5°	784.8	785.5	788.2	791.7	796.4	801.2	806.1	809.5	811.6	811.6	810.9
50°	766.2	766.9	769.6	773.1	779.3	784.8	789.5	793.0	796.4	796.4	795.7
52.5°	742.9	744.3	746.3	751.2	758.0	764.2	770.4	775.8	777.9	778.6	777.9
55°	714.0	715.4	718.2	723.7	731.3	738.8	745.7	751.8	754.6	756.7	755.2
57.5°	680.4	681.8	685.2	691.4	699.6	707.2	716.1	722.9	725.1	727.1	726.4
60°	640.6	642.6	646.1	653.0	661.2	669.4	677.7	685.9	688.0	690.8	689.3
62.5°	593.9	595.9	599.4	606.9	615.8	623.5	633.0	640.6	642.6	645.4	644.7
65°	540.3	542.4	545.9	554.1	562.3	570.6	579.5	587.7	589.7	592.5	591.9
67.5°	479.3	481.3	484.8	494.3	502.6	510.9	518.4	526.6	528.0	530.8	530.1
70°	414.7	417.5	420.2	429.1	436.7	443.6	451.8	458.7	461.4	462.7	461.4
72.5°	350.2	352.2	354.9	361.1	366.6	372.8	381.0	385.9	387.9	388.6	388.6
75°	283.6	285.6	285.6	292.5	296.7	300.0	306.9	310.4	311.7	313.1	313.1
77.5°	220.4	219.0	220.4	223.1	225.9	228.6	232.8	234.8	236.1	239.0	237.6
80°	154.5	155.1	155.8	157.9	159.3	160.0	162.7	163.5	164.1	166.8	165.5
82.5°	99.6	98.2	99.6	98.9	100.2	98.2	99.6	101.6	100.2	101.6	102.3
85°	52.2	50.2	50.2	50.8	51.5	50.2	50.8	50.2	50.2	51.5	50.8
87.5°	16.4	15.8	16.4	15.8	16.4	15.8	16.4	17.2	16.4	16.4	17.2
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: P197536

CATALOG NUMBER: TT-C1-LED-E1-5CQ-PM-MS/DIM-7060

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	889.9	889.9	889.9	889.9	889.9	889.9	889.9	889.9
2.5°	889.9	889.9	889.9	889.9	889.9	889.9	889.9	889.9
5°	889.9	889.9	889.9	889.9	889.9	889.9	889.9	889.9
7.5°	889.1	889.1	889.1	889.1	889.1	889.1	888.4	889.1
10°	887.8	887.8	887.8	887.8	887.1	887.1	887.1	887.1
12.5°	886.4	886.4	885.7	885.7	885.7	885.7	885.0	885.0
15°	885.0	884.4	884.4	883.7	883.7	883.7	882.9	883.7
17.5°	882.9	882.2	882.2	881.6	881.6	880.9	880.9	880.9
20°	878.2	877.5	877.5	876.8	876.8	876.1	875.4	875.4
22.5°	871.3	871.3	871.3	870.6	870.0	870.0	869.2	869.2
25°	865.1	864.5	864.5	863.8	863.0	863.0	862.3	862.3
27.5°	858.9	858.3	857.6	856.1	856.1	855.5	854.8	854.1
30°	852.1	850.7	849.3	848.6	847.9	846.6	845.9	845.2
32.5°	845.2	843.9	842.4	841.1	839.0	838.4	837.0	837.0
35°	841.1	839.0	837.0	834.2	832.2	830.1	828.7	828.0
37.5°	839.0	836.2	832.8	829.4	826.0	823.3	821.2	821.2
40°	836.2	832.8	828.7	824.0	819.8	816.3	814.3	813.6
42.5°	830.8	827.3	821.8	817.8	812.3	808.8	806.1	805.4
45°	821.2	817.8	812.9	807.4	801.9	797.9	795.1	794.4
47.5°	808.8	804.7	799.2	793.7	788.2	783.5	780.7	780.0
50°	793.0	788.9	783.5	777.9	771.8	766.9	763.5	763.5
52.5°	775.1	770.4	764.2	758.0	751.2	746.3	742.9	742.2
55°	751.8	746.3	740.1	733.3	725.7	720.2	716.1	715.4
57.5°	722.9	716.9	710.0	702.4	694.8	688.6	683.9	683.1
60°	686.6	679.7	672.9	665.3	657.1	650.3	645.4	644.1
62.5°	641.9	634.4	626.9	620.0	611.1	604.2	599.4	598.1
65°	589.1	582.9	575.3	567.1	557.6	550.7	545.9	545.2
67.5°	527.3	521.1	513.6	506.0	496.4	490.3	485.4	484.1
70°	459.3	453.8	447.6	440.1	431.9	425.7	420.9	420.2
72.5°	387.2	382.4	377.0	371.5	363.2	358.4	354.3	353.6
75°	313.1	308.3	304.2	300.0	293.9	290.5	286.3	286.3
77.5°	237.6	236.1	233.4	228.6	225.2	222.4	220.4	219.0
80°	166.2	164.8	163.5	160.7	158.6	157.9	156.5	155.1
82.5°	101.6	100.9	101.6	100.2	99.6	99.6	98.9	97.5
85°	51.5	52.2	51.5	50.8	50.8	50.8	50.8	50.2
87.5°	16.4	17.2	16.4	15.8	15.8	15.8	15.8	15.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)