

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: P197534

Luminaire Tested: **TT-C1-LED-E1-5CQ-PM-MS/DIM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197534
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
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (168) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3761.6 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

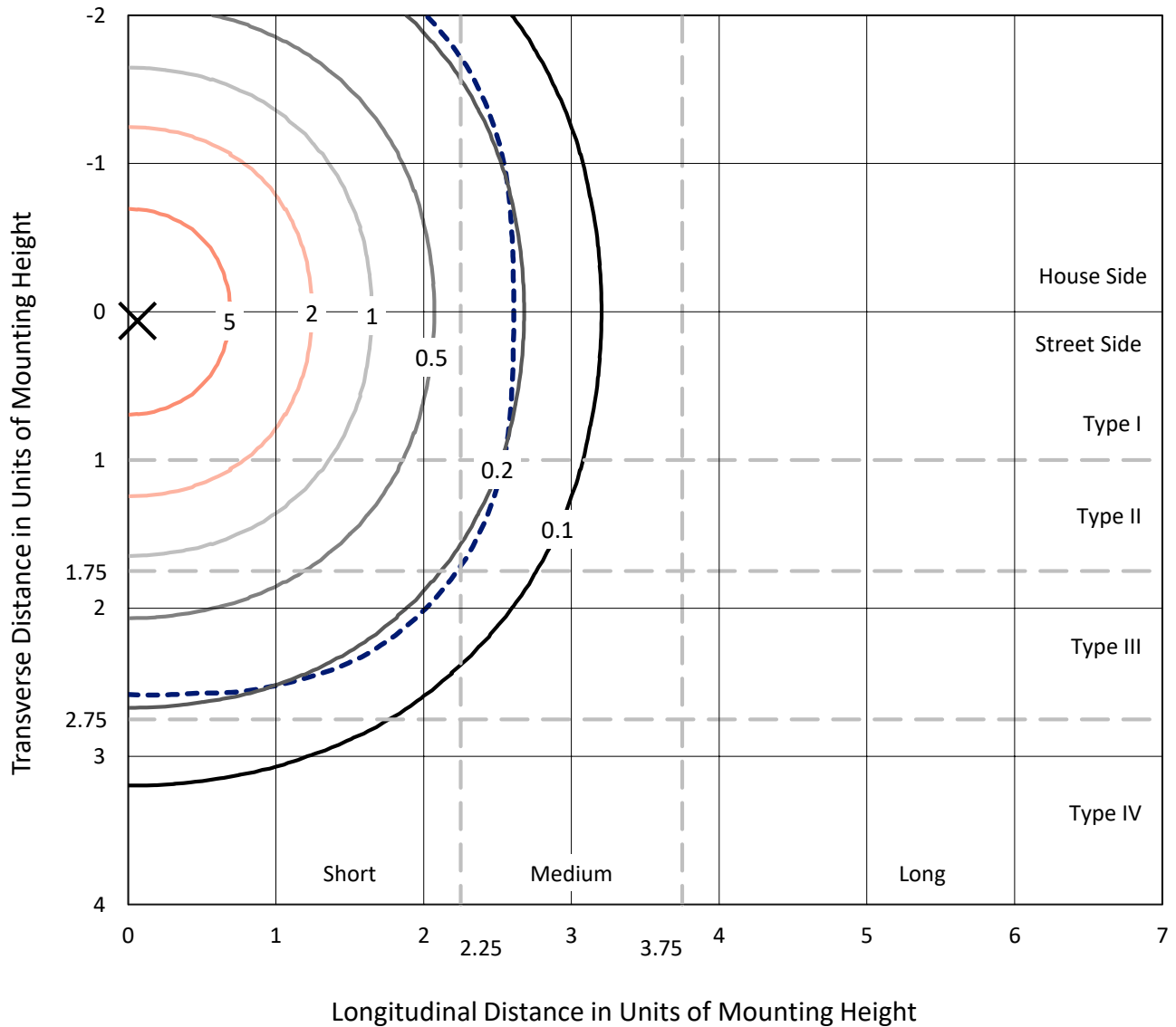
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

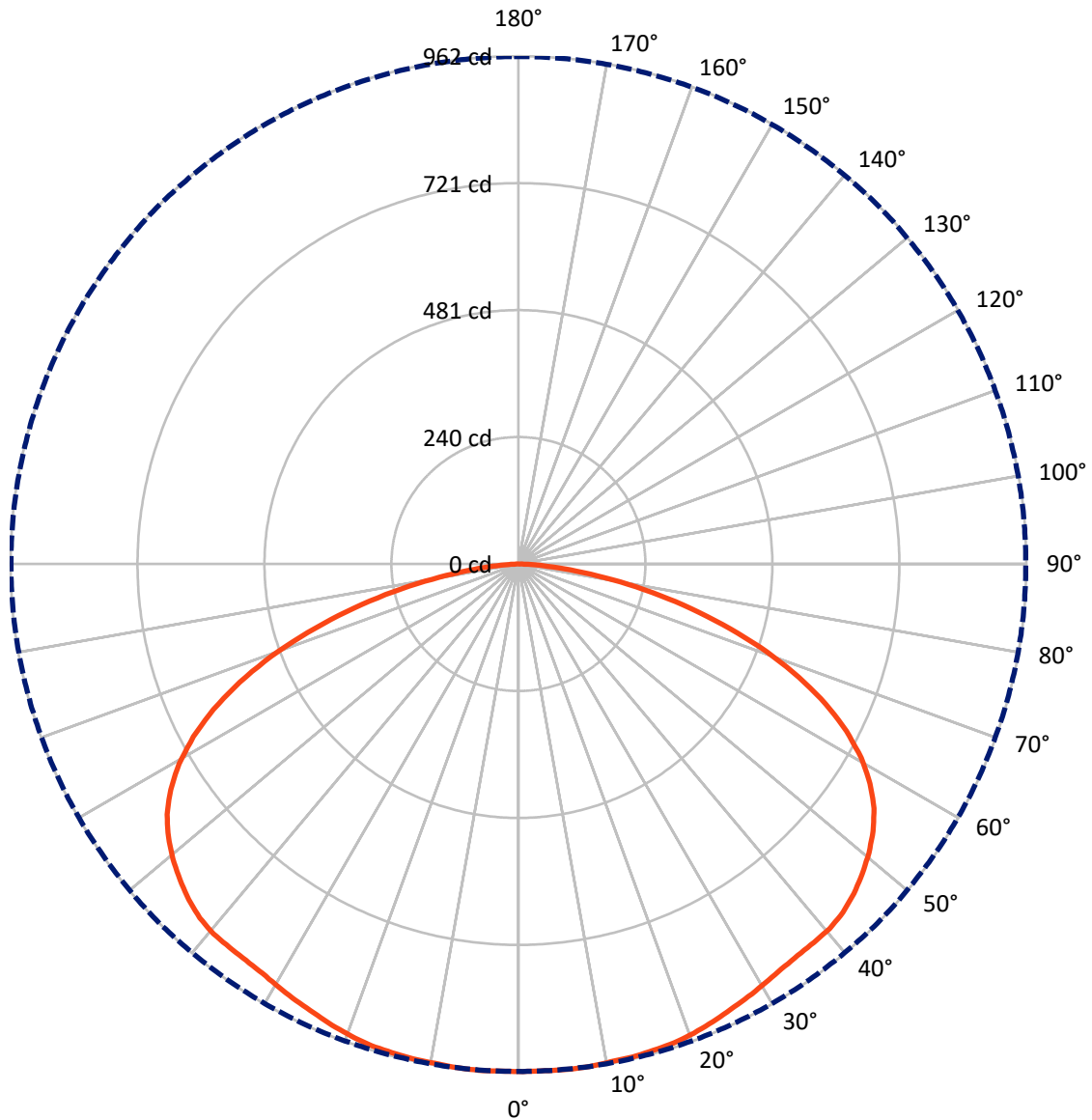
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.6 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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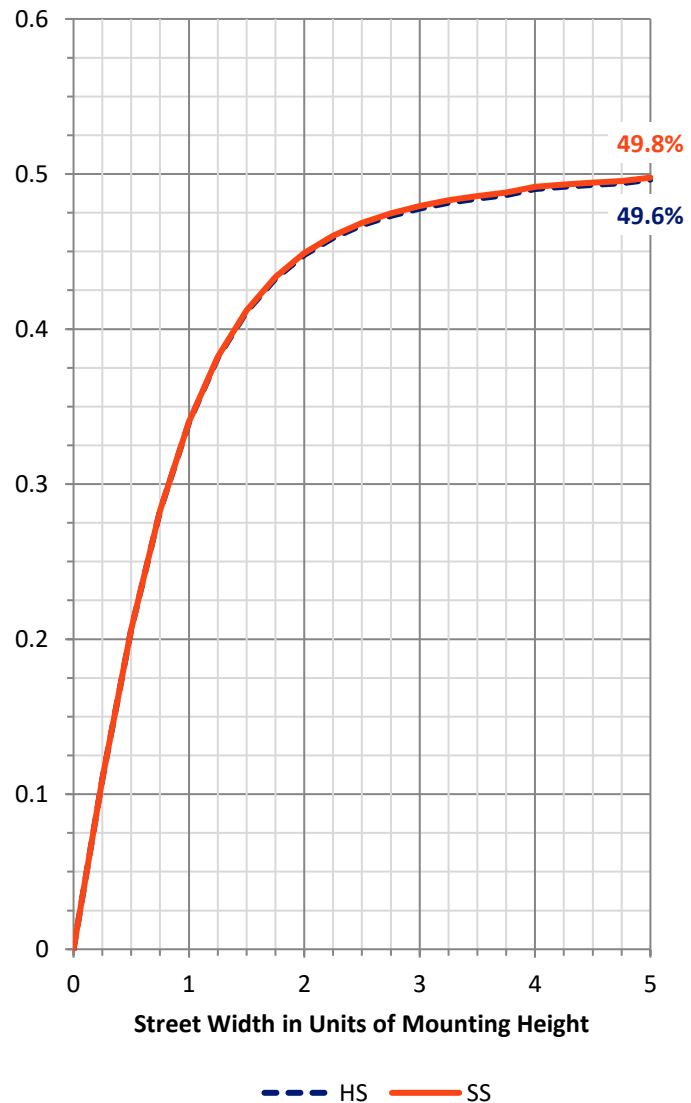
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1880.8	0.0	1880.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1880.8	0.0	1880.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	3761.6	0.0	3761.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.7	2.4
10°-20°	270.4	7.2
20°-30°	431.5	11.5
30°-40°	568.3	15.1
40°-50°	676.0	18.0
50°-60°	707.5	18.8
60°-70°	601.7	16.0
70°-80°	341.9	9.1
80°-90°	72.7	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°	3761.6	100.0
0°-180°	3761.6	100.0



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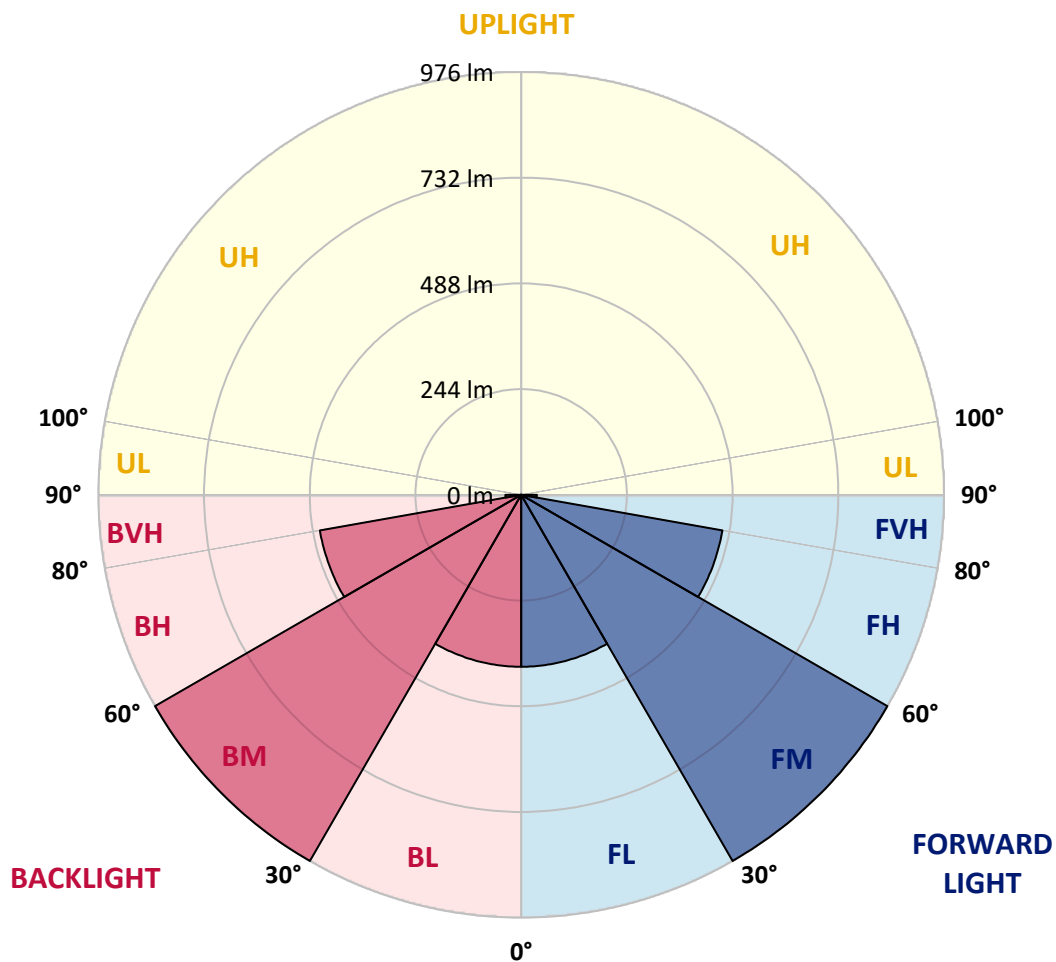
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	396.7	10.5			
FM	(30°-60°)	975.9	25.9			
FH	(60°-80°)	471.8	12.5			G0/660
FVH	(80°-90°)	36.3	1.0			G1/100
BL	(0°-30°)	396.7	10.5	B1/500		
BM	(30°-60°)	975.9	25.9	B1/1000		
BH	(60°-80°)	471.8	12.5	B1/500		G0/660
BVH	(80°-90°)	36.3	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°	961.0	961.0	961.0	961.0	961.0	961.0	961.0	961.0	961.0	961.0	961.0
2.5°	961.0	961.0	961.0	961.0	961.0	961.0	961.0	961.0	961.0	961.0	961.0
5°	961.0	961.0	961.0	961.0	961.0	961.0	961.0	961.0	961.0	961.8	961.0
7.5°	960.3	960.3	960.3	960.3	961.0	960.3	960.3	961.0	961.0	961.0	961.0
10°	958.8	958.1	958.1	958.8	958.8	958.8	958.8	958.8	959.6	958.8	958.8
12.5°	956.6	955.9	956.6	956.6	956.6	957.4	957.4	957.4	958.1	958.1	957.4
15°	954.4	954.4	954.4	954.4	954.4	955.1	955.1	955.9	955.9	955.9	955.9
17.5°	951.5	951.5	951.5	952.1	952.1	952.9	952.9	952.9	953.7	953.7	953.7
20°	946.2	945.5	946.2	946.2	947.0	947.7	947.7	948.5	948.5	948.5	948.5
22.5°	938.8	938.8	939.6	939.6	940.3	941.0	941.0	941.8	941.8	941.8	941.8
25°	931.4	932.1	932.1	932.9	932.9	933.7	934.3	934.3	934.3	934.3	934.3
27.5°	924.0	924.8	924.8	924.8	925.5	926.2	927.0	927.7	928.4	927.7	927.7
30°	915.9	915.9	916.6	917.3	918.1	918.8	920.3	921.0	921.8	921.0	921.0
32.5°	906.9	907.7	908.4	909.1	910.7	912.1	913.7	914.3	915.1	914.3	914.3
35°	900.2	900.2	901.8	903.2	904.7	906.9	908.4	909.9	911.3	910.7	909.9
37.5°	893.6	893.6	895.1	897.3	900.2	903.2	906.2	908.4	909.1	909.1	908.4
40°	885.4	886.2	887.7	891.3	895.8	899.5	903.2	906.2	907.7	907.7	906.2
42.5°	876.5	877.3	879.5	883.2	888.4	892.9	897.3	899.5	901.8	901.8	900.2
45°	863.9	864.7	867.6	871.3	876.5	881.0	886.2	888.4	891.3	890.7	889.9
47.5°	847.6	848.3	851.3	855.0	860.2	865.4	870.6	874.3	876.5	876.5	875.8
50°	827.6	828.3	831.3	835.0	841.6	847.6	852.8	856.5	860.2	860.2	859.4
52.5°	802.4	803.8	806.1	811.3	818.7	825.4	832.1	838.0	840.2	841.0	840.2
55°	771.3	772.7	775.7	781.6	789.7	798.0	805.3	812.0	815.0	817.2	815.7
57.5°	734.9	736.4	740.1	746.7	755.6	763.8	773.5	780.8	783.1	785.3	784.6
60°	691.9	694.1	697.8	705.3	714.1	723.0	731.9	740.8	743.0	746.0	744.5
62.5°	641.5	643.7	647.4	655.6	665.1	673.4	683.7	691.9	694.1	697.0	696.4
65°	583.7	585.9	589.5	598.4	607.3	616.2	625.9	634.8	637.0	640.0	639.2
67.5°	517.6	519.9	523.5	534.0	542.9	551.8	559.9	568.8	570.3	573.2	572.5
70°	447.9	450.8	453.8	463.5	471.6	479.1	488.0	495.4	498.3	499.8	498.3
72.5°	378.2	380.5	383.4	390.0	396.0	402.7	411.6	416.7	418.9	419.7	419.7
75°	306.2	308.5	308.5	315.9	320.3	324.1	331.5	335.2	336.7	338.1	338.1
77.5°	238.1	236.5	238.1	241.0	244.0	247.0	251.4	253.6	255.1	258.1	256.5
80°	166.8	167.6	168.3	170.5	172.1	172.7	175.7	176.5	177.3	180.2	178.7
82.5°	107.5	106.0	107.5	106.8	108.3	106.0	107.5	109.7	108.3	109.7	110.5
85°	56.4	54.1	54.1	54.9	55.6	54.1	54.9	54.1	54.1	55.6	54.9
87.5°	17.8	17.0	17.8	17.0	17.8	17.0	17.8	18.6	17.8	17.8	18.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	961.0	961.0	961.0	961.0	961.0	961.0	961.0	961.0
2.5°	961.0	961.0	961.0	961.0	961.0	961.0	961.0	961.0
5°	961.0	961.0	961.0	961.0	961.0	961.0	961.0	961.0
7.5°	960.3	960.3	960.3	960.3	960.3	960.3	959.6	960.3
10°	958.8	958.8	958.8	958.8	958.1	958.1	958.1	958.1
12.5°	957.4	957.4	956.6	956.6	956.6	956.6	955.9	955.9
15°	955.9	955.1	955.1	954.4	954.4	954.4	953.7	954.4
17.5°	953.7	952.9	952.9	952.1	952.1	951.5	951.5	951.5
20°	948.5	947.7	947.7	947.0	947.0	946.2	945.5	945.5
22.5°	941.0	941.0	941.0	940.3	939.6	939.6	938.8	938.8
25°	934.3	933.7	933.7	932.9	932.1	932.1	931.4	931.4
27.5°	927.7	927.0	926.2	924.8	924.8	924.0	923.2	922.6
30°	920.3	918.8	917.3	916.6	915.9	914.3	913.7	912.9
32.5°	912.9	911.3	909.9	908.4	906.2	905.4	904.0	904.0
35°	908.4	906.2	904.0	901.0	898.8	896.5	895.1	894.3
37.5°	906.2	903.2	899.5	895.8	892.1	889.1	886.9	886.9
40°	903.2	899.5	895.1	889.9	885.4	881.8	879.5	878.8
42.5°	897.3	893.6	887.7	883.2	877.3	873.5	870.6	869.9
45°	886.9	883.2	878.0	872.1	866.2	861.7	858.8	858.0
47.5°	873.5	869.1	863.2	857.2	851.3	846.1	843.2	842.4
50°	856.5	852.1	846.1	840.2	833.5	828.3	824.6	824.6
52.5°	837.2	832.1	825.4	818.7	811.3	806.1	802.4	801.6
55°	812.0	806.1	799.4	792.0	783.8	777.9	773.5	772.7
57.5°	780.8	774.2	766.8	758.6	750.5	743.8	738.6	737.8
60°	741.6	734.2	726.7	718.6	709.7	702.3	697.0	695.6
62.5°	693.4	685.2	677.0	669.7	660.0	652.6	647.4	645.9
65°	636.2	629.6	621.4	612.6	602.1	594.8	589.5	588.8
67.5°	569.5	562.9	554.7	546.5	536.2	529.5	524.3	522.9
70°	496.1	490.2	483.5	475.4	466.4	459.7	454.6	453.8
72.5°	418.3	413.0	407.1	401.2	392.3	387.1	382.7	381.9
75°	338.1	333.0	328.6	324.1	317.3	313.7	309.2	309.2
77.5°	256.5	255.1	252.1	247.0	243.2	240.3	238.1	236.5
80°	179.5	178.0	176.5	173.5	171.3	170.5	169.1	167.6
82.5°	109.7	109.0	109.7	108.3	107.5	107.5	106.8	105.3
85°	55.6	56.4	55.6	54.9	54.9	54.9	54.9	54.1
87.5°	17.8	18.6	17.8	17.0	17.0	17.0	17.0	16.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)