

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: P197537

Luminaire Tested: **TT-C2-LED-E1-5CQ-PM-MS/DIM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197537
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-C2-LED-E1-5CQ-PM-MS/DIM-8030
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3907.3 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - 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

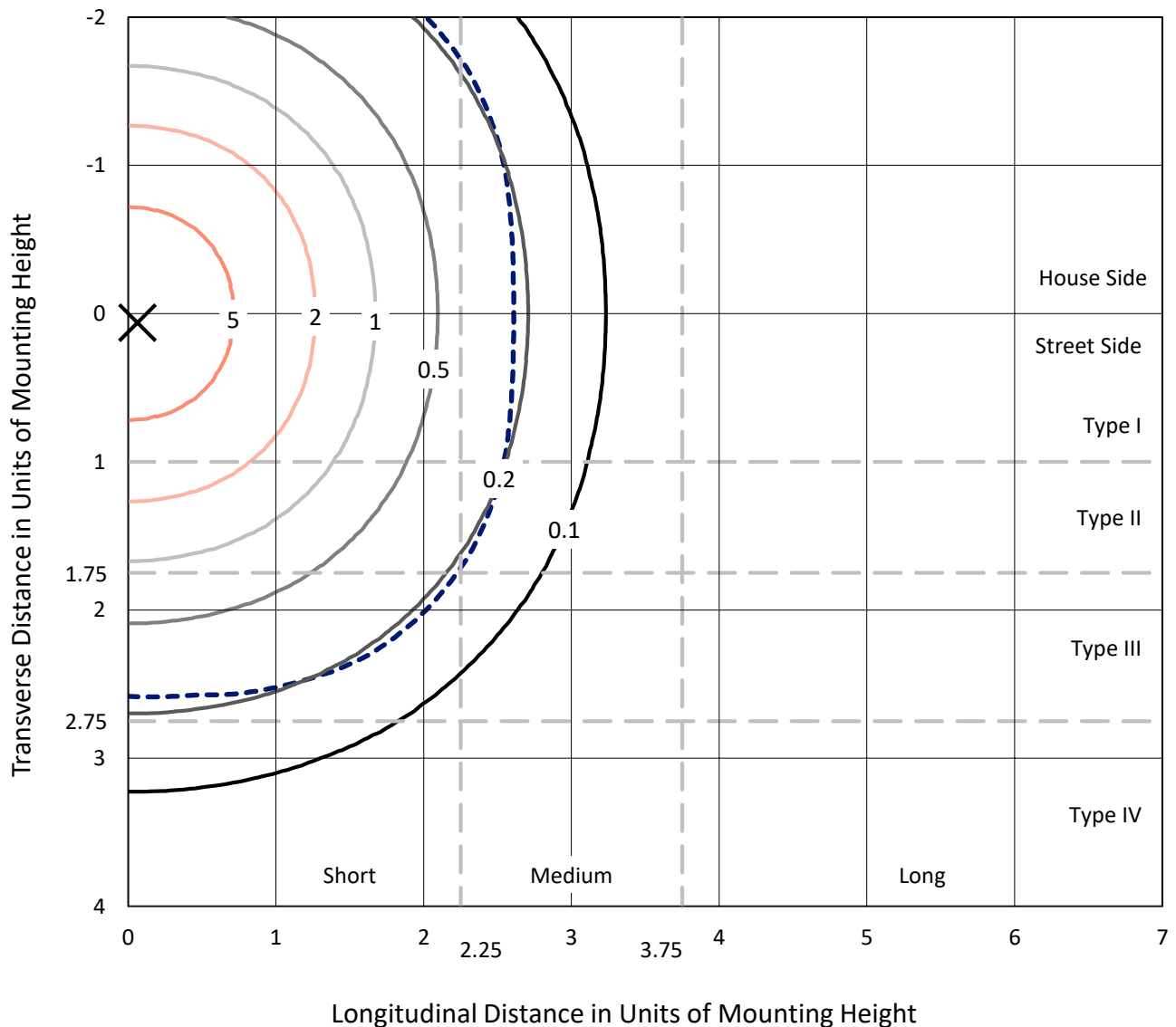


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Iso-Footcandle Lines of Horizontal Illumination

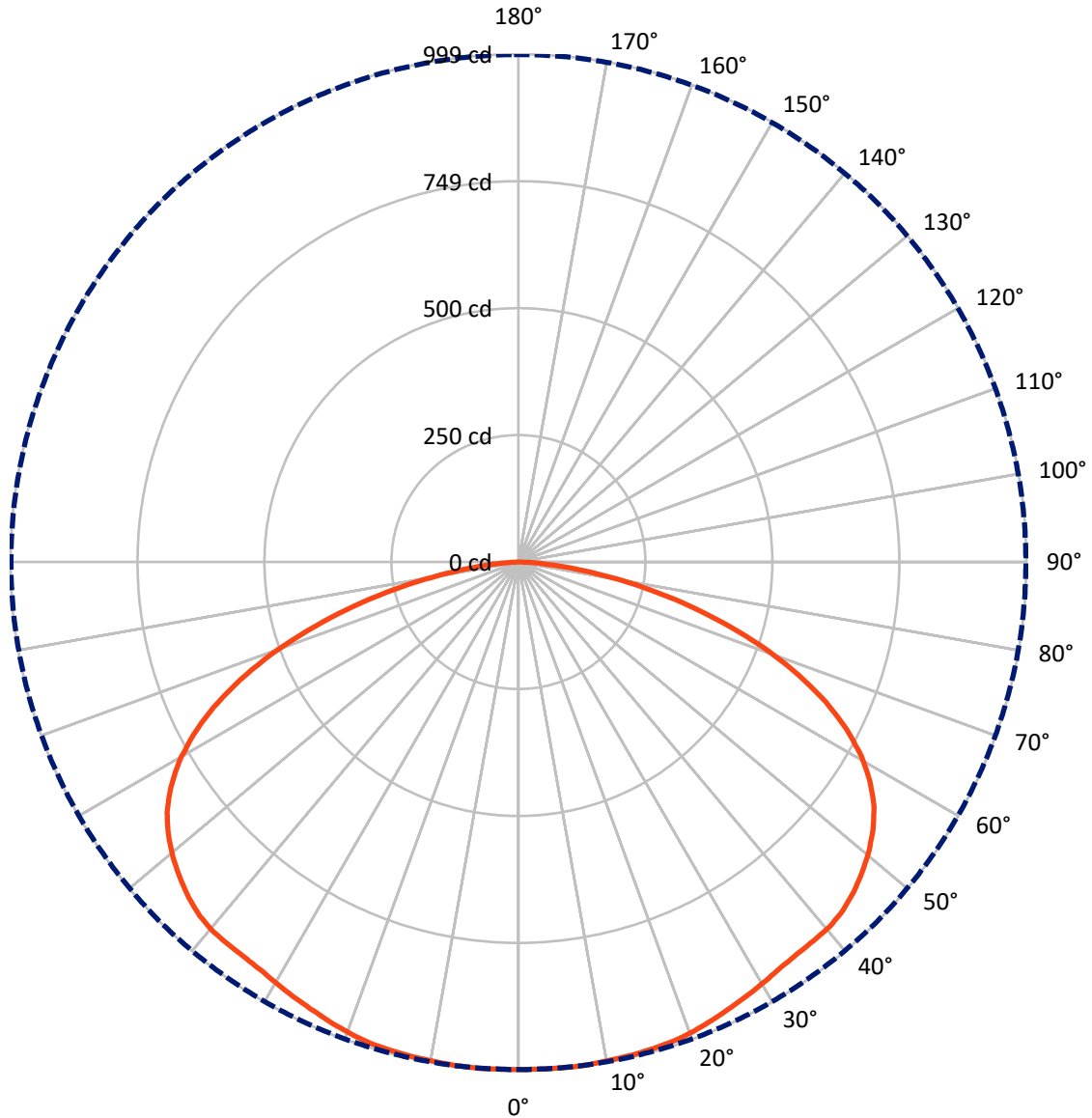
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10 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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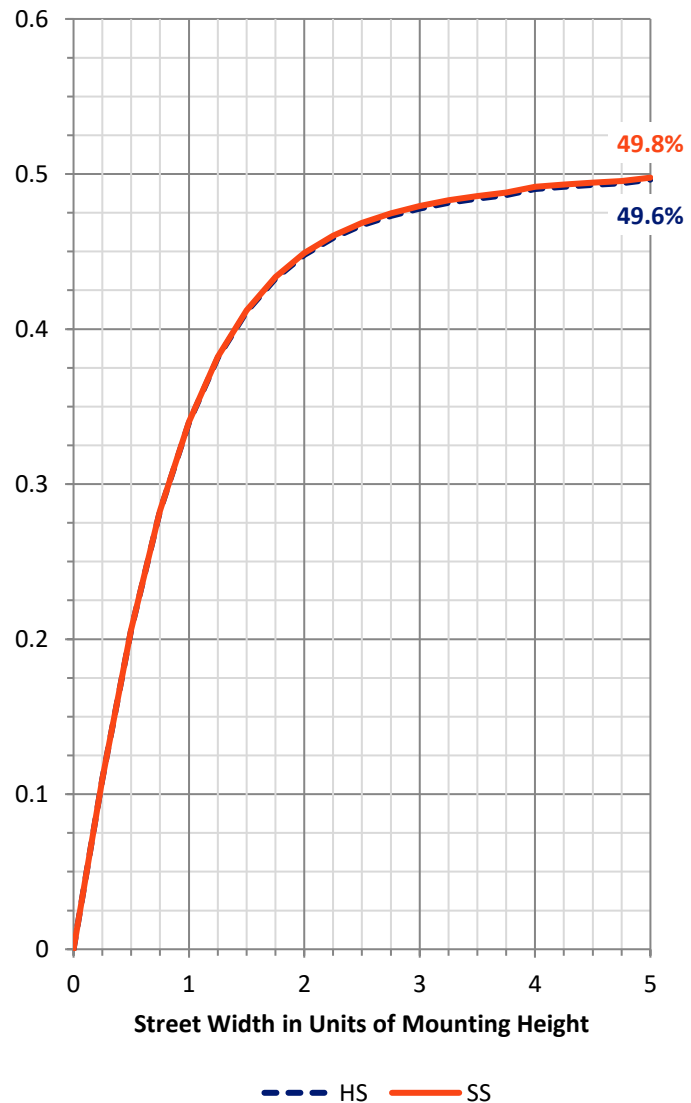
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1953.7	0.0	1953.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1953.7	0.0	1953.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	3907.3	0.0	3907.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.2	2.4
10°-20°	280.8	7.2
20°-30°	448.2	11.5
30°-40°	590.3	15.1
40°-50°	702.2	18.0
50°-60°	734.9	18.8
60°-70°	625.0	16.0
70°-80°	355.2	9.1
80°-90°	75.5	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°	3907.3	100.0
0°-180°	3907.3	100.0



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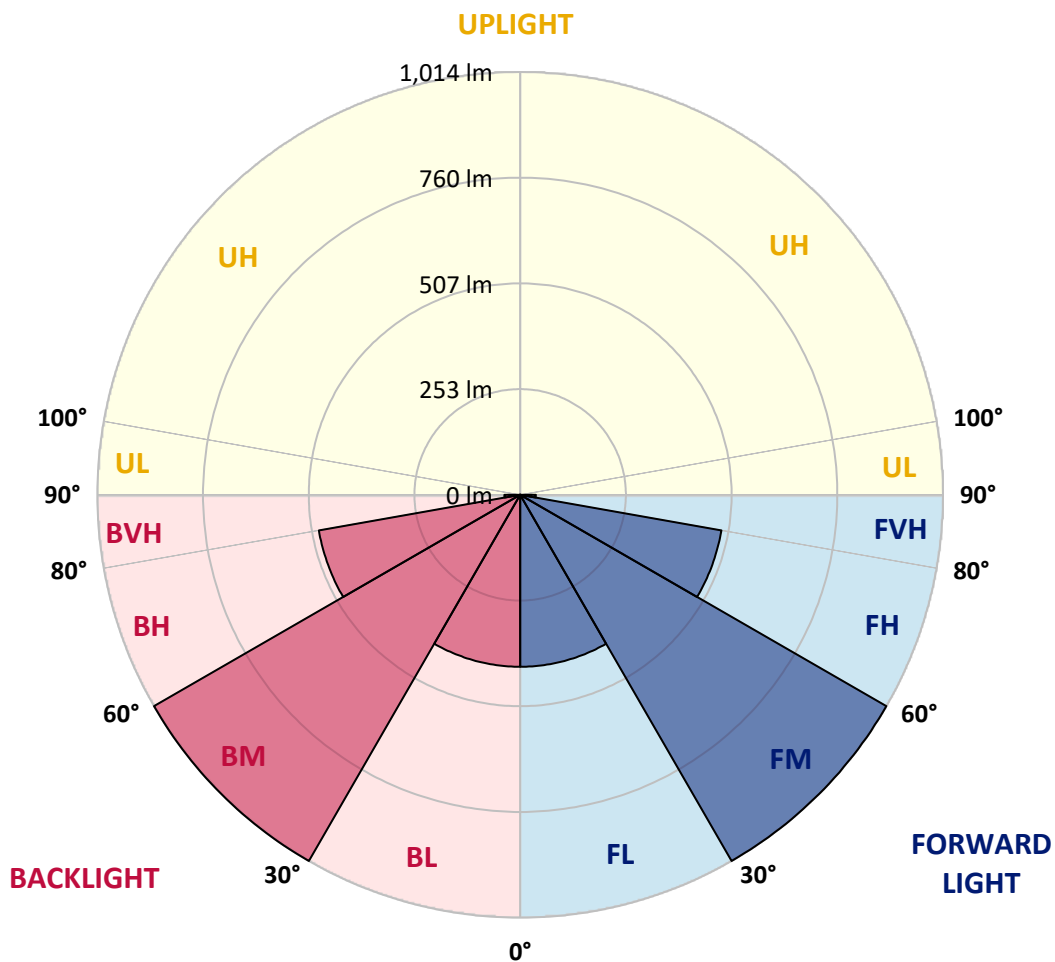
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	412.1	10.5			
FM	(30°-60°)	1013.7	25.9			
FH	(60°-80°)	490.1	12.5			G0/660
FVH	(80°-90°)	37.8	1.0			G1/100
BL	(0°-30°)	412.1	10.5	B1/500		
BM	(30°-60°)	1013.7	25.9	B2/2500		
BH	(60°-80°)	490.1	12.5	B1/500		G0/660
BVH	(80°-90°)	37.8	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	998.3	998.3	998.3	998.3	998.3	998.3	998.3	998.3	998.3	998.3	998.3
2.5°	998.3	998.3	998.3	998.3	998.3	998.3	998.3	998.3	998.3	998.3	998.3
5°	998.3	998.3	998.3	998.3	998.3	998.3	998.3	998.3	998.3	999.0	998.3
7.5°	997.6	997.6	997.6	997.6	998.3	997.6	997.6	998.3	998.3	998.3	998.3
10°	996.0	995.2	995.2	996.0	996.0	996.0	996.0	996.0	996.8	996.0	996.0
12.5°	993.7	992.9	993.7	993.7	993.7	994.5	994.5	994.5	995.2	995.2	994.5
15°	991.4	991.4	991.4	991.4	991.4	992.1	992.1	992.9	992.9	992.9	992.9
17.5°	988.3	988.3	988.3	989.1	989.1	989.8	989.8	989.8	990.6	990.6	990.6
20°	982.9	982.1	982.9	982.9	983.6	984.4	984.4	985.2	985.2	985.2	985.2
22.5°	975.1	975.1	975.9	975.9	976.7	977.5	977.5	978.2	978.2	978.2	978.2
25°	967.5	968.3	968.3	969.0	969.0	969.8	970.6	970.6	970.6	970.6	970.6
27.5°	959.8	960.5	960.5	960.5	961.3	962.1	962.9	963.6	964.4	963.6	963.6
30°	951.3	951.3	952.0	952.8	953.6	954.4	955.9	956.7	957.4	956.7	956.7
32.5°	942.1	942.9	943.6	944.4	945.9	947.5	949.0	949.7	950.5	949.7	949.7
35°	935.1	935.1	936.7	938.2	939.8	942.1	943.6	945.2	946.7	945.9	945.2
37.5°	928.2	928.2	929.7	932.0	935.1	938.2	941.3	943.6	944.4	944.4	943.6
40°	919.7	920.5	922.1	925.8	930.5	934.3	938.2	941.3	942.9	942.9	941.3
42.5°	910.5	911.2	913.6	917.4	922.8	927.4	932.0	934.3	936.7	936.7	935.1
45°	897.4	898.2	901.2	905.1	910.5	915.1	920.5	922.8	925.8	925.1	924.4
47.5°	880.4	881.2	884.3	888.1	893.6	899.0	904.3	908.1	910.5	910.5	909.7
50°	859.6	860.4	863.5	867.4	874.3	880.4	885.8	889.7	893.6	893.6	892.8
52.5°	833.4	835.0	837.3	842.7	850.4	857.3	864.3	870.5	872.8	873.5	872.8
55°	801.1	802.6	805.7	811.9	820.4	828.8	836.5	843.5	846.6	848.9	847.3
57.5°	763.3	764.9	768.8	775.7	784.9	793.4	803.4	811.1	813.4	815.7	815.0
60°	718.7	721.0	724.9	732.5	741.8	751.1	760.3	769.5	771.9	774.9	773.4
62.5°	666.3	668.6	672.5	680.9	690.9	699.5	710.2	718.7	721.0	724.1	723.3
65°	606.2	608.5	612.4	621.6	630.8	640.1	650.2	659.3	661.7	664.8	664.0
67.5°	537.6	540.0	543.8	554.7	563.8	573.1	581.5	590.8	592.4	595.4	594.7
70°	465.2	468.3	471.4	481.4	489.9	497.6	506.8	514.5	517.6	519.2	517.6
72.5°	392.8	395.2	398.3	405.2	411.3	418.3	427.5	432.9	435.2	436.0	436.0
75°	318.1	320.4	320.4	328.2	332.8	336.6	344.3	348.2	349.7	351.3	351.3
77.5°	247.3	245.7	247.3	250.4	253.5	256.5	261.1	263.4	265.0	268.0	266.5
80°	173.3	174.1	174.9	177.2	178.7	179.5	182.6	183.4	184.1	187.1	185.6
82.5°	111.6	110.2	111.6	111.0	112.4	110.2	111.6	114.0	112.4	114.0	114.7
85°	58.6	56.3	56.3	57.0	57.8	56.3	57.0	56.3	56.3	57.8	57.0
87.5°	18.5	17.7	18.5	17.7	18.5	17.7	18.5	19.2	18.5	18.5	19.2
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°	998.3	998.3	998.3	998.3	998.3	998.3	998.3	998.3
2.5°	998.3	998.3	998.3	998.3	998.3	998.3	998.3	998.3
5°	998.3	998.3	998.3	998.3	998.3	998.3	998.3	998.3
7.5°	997.6	997.6	997.6	997.6	997.6	997.6	996.8	997.6
10°	996.0	996.0	996.0	996.0	995.2	995.2	995.2	995.2
12.5°	994.5	994.5	993.7	993.7	993.7	993.7	992.9	992.9
15°	992.9	992.1	992.1	991.4	991.4	991.4	990.6	991.4
17.5°	990.6	989.8	989.8	989.1	989.1	988.3	988.3	988.3
20°	985.2	984.4	984.4	983.6	983.6	982.9	982.1	982.1
22.5°	977.5	977.5	977.5	976.7	975.9	975.9	975.1	975.1
25°	970.6	969.8	969.8	969.0	968.3	968.3	967.5	967.5
27.5°	963.6	962.9	962.1	960.5	960.5	959.8	959.0	958.2
30°	955.9	954.4	952.8	952.0	951.3	949.7	949.0	948.3
32.5°	948.3	946.7	945.2	943.6	941.3	940.5	939.0	939.0
35°	943.6	941.3	939.0	935.9	933.6	931.3	929.7	928.9
37.5°	941.3	938.2	934.3	930.5	926.6	923.6	921.3	921.3
40°	938.2	934.3	929.7	924.4	919.7	915.9	913.6	912.8
42.5°	932.0	928.2	922.1	917.4	911.2	907.4	904.3	903.5
45°	921.3	917.4	912.0	905.8	899.7	895.1	892.0	891.2
47.5°	907.4	902.7	896.6	890.5	884.3	878.9	875.8	875.1
50°	889.7	885.0	878.9	872.8	865.8	860.4	856.5	856.5
52.5°	869.7	864.3	857.3	850.4	842.7	837.3	833.4	832.7
55°	843.5	837.3	830.3	822.7	814.2	808.0	803.4	802.6
57.5°	811.1	804.1	796.5	788.0	779.5	772.6	767.2	766.4
60°	770.3	762.6	754.8	746.4	737.2	729.4	724.1	722.6
62.5°	720.2	711.7	703.2	695.6	685.5	677.9	672.5	670.9
65°	660.9	653.9	645.5	636.2	625.5	617.8	612.4	611.6
67.5°	591.6	584.6	576.2	567.7	556.9	550.0	544.6	543.1
70°	515.3	509.1	502.3	493.8	484.5	477.6	472.2	471.4
72.5°	434.4	429.1	422.9	416.7	407.4	402.1	397.5	396.7
75°	351.3	345.9	341.2	336.6	329.7	325.9	321.2	321.2
77.5°	266.5	265.0	261.9	256.5	252.7	249.6	247.3	245.7
80°	186.4	184.9	183.4	180.3	178.0	177.2	175.6	174.1
82.5°	114.0	113.2	114.0	112.4	111.6	111.6	111.0	109.4
85°	57.8	58.6	57.8	57.0	57.0	57.0	57.0	56.3
87.5°	18.5	19.2	18.5	17.7	17.7	17.7	17.7	16.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)