

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: P197900

Luminaire Tested: **TT-C2-LED-E1-5WQ-PM-SG-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115558)
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-E1-5WQ-PM-SG-MS/DIM-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
WIDE DISTRIBUTION WITH SOFTENING GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3764 lumens
Efficiency: N/A
Efficacy: 110.7 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

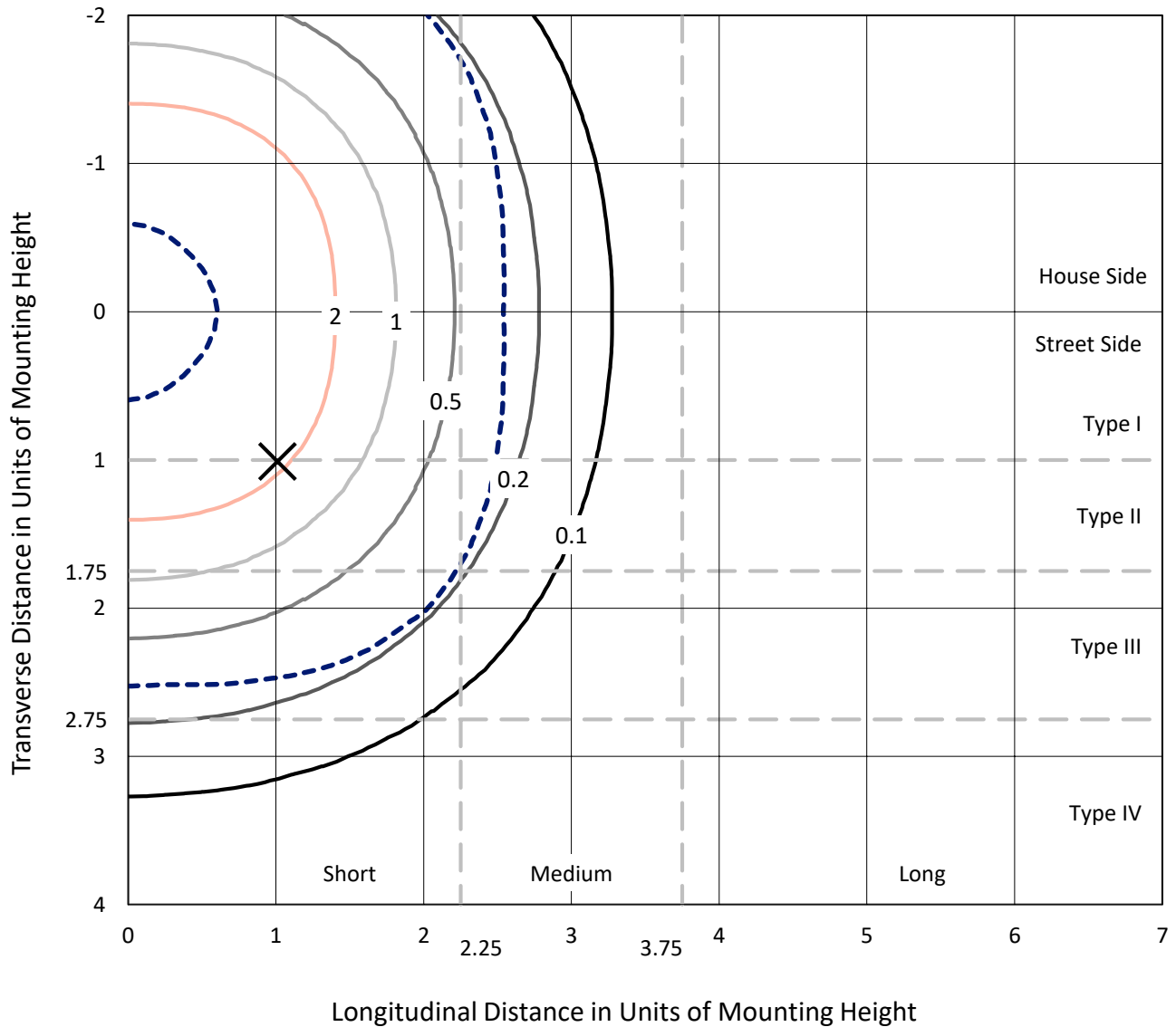


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

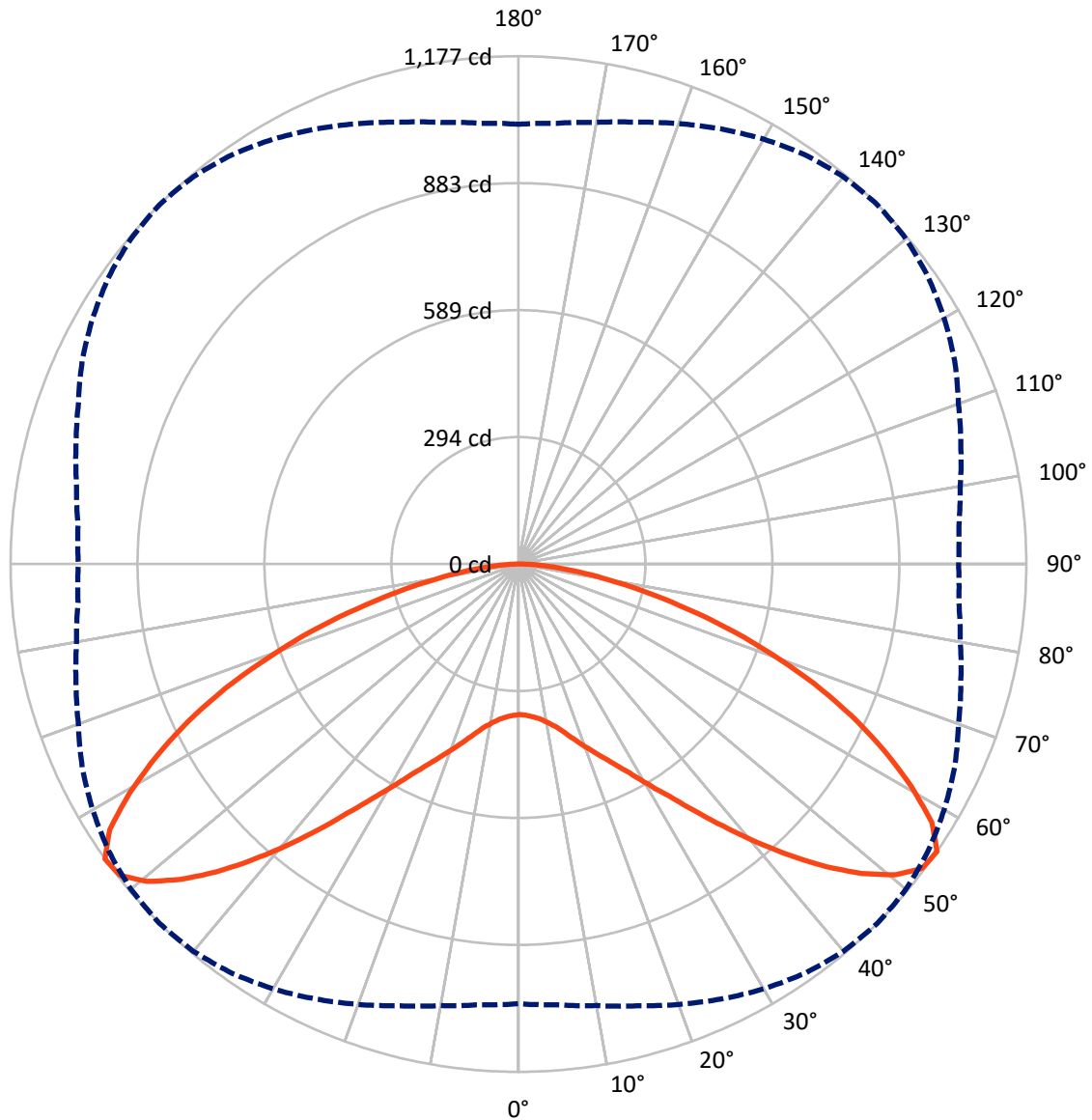


Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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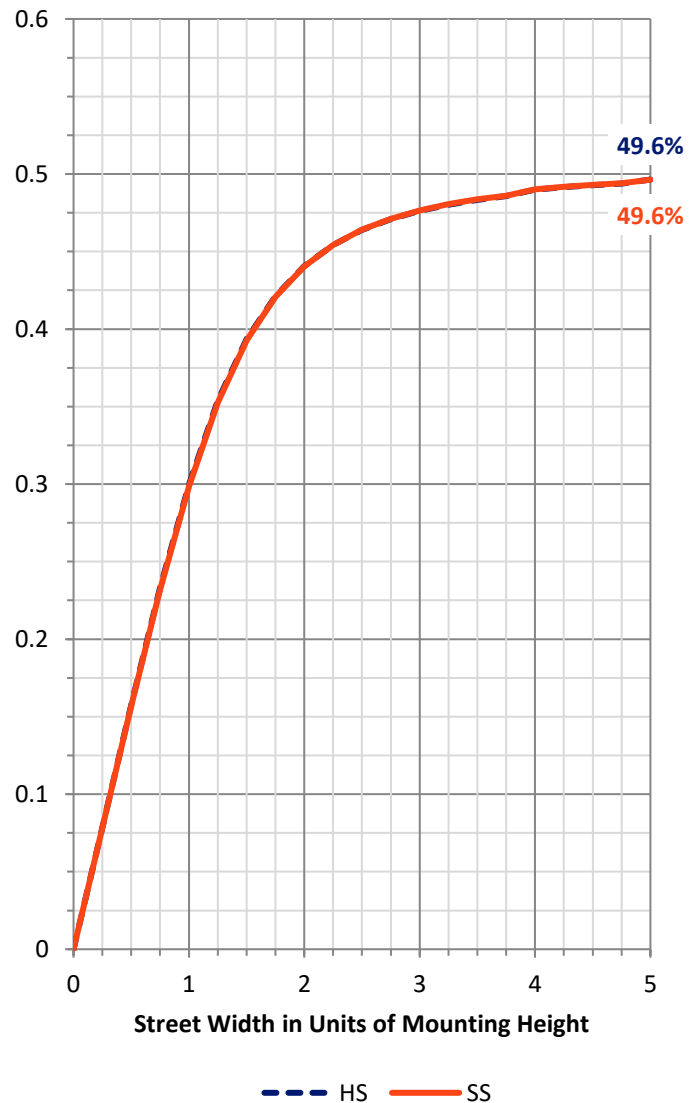
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1882.0	0.0	1882.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1882.0	0.0	1882.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3764.0	0.0	3764.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.5	0.9
10°-20°	116.8	3.1
20°-30°	237.9	6.3
30°-40°	434.5	11.5
40°-50°	737.8	19.6
50°-60°	960.8	25.5
60°-70°	777.1	20.6
70°-80°	381.9	10.1
80°-90°	82.7	2.2
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°	3764.0	100.0
0°-180°	3764.0	100.0



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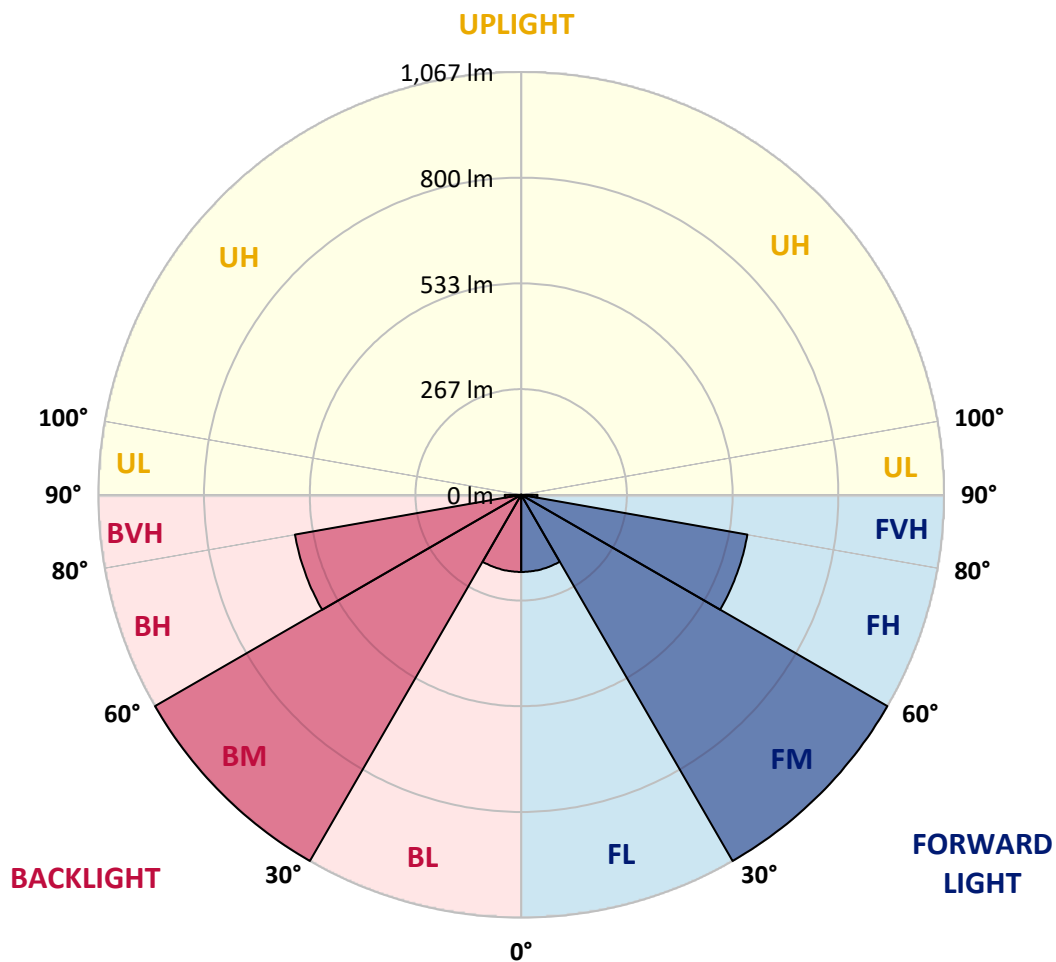
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	194.6	5.2			
FM	(30°-60°)	1066.6	28.3			
FH	(60°-80°)	579.5	15.4			G0/660
FVH	(80°-90°)	41.3	1.1			G1/100
BL	(0°-30°)	194.6	5.2	B1/500		
BM	(30°-60°)	1066.6	28.3	B2/2500		
BH	(60°-80°)	579.5	15.4	B2/1000		G0/660
BVH	(80°-90°)	41.3	1.1			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°	348.8	348.8	348.8	348.8	348.8	348.8	348.8	348.8	348.8	348.8	348.8
2.5°	350.3	350.3	350.3	350.3	350.3	350.3	351.1	351.1	351.1	351.1	351.1
5°	354.9	354.9	354.9	355.7	355.7	355.7	355.7	355.7	355.7	355.7	355.7
7.5°	361.8	361.1	361.8	361.8	361.8	362.6	362.6	361.8	362.6	362.6	362.6
10°	371.8	371.1	371.8	371.8	371.8	372.6	372.6	372.6	372.6	373.4	373.4
12.5°	386.5	385.7	386.5	387.3	386.5	387.3	387.3	387.3	387.3	387.3	387.3
15°	405.0	404.2	405.0	405.7	405.0	406.5	406.5	405.7	405.7	406.5	406.5
17.5°	427.3	425.8	426.5	427.3	427.3	428.9	428.9	428.1	428.9	429.6	428.9
20°	450.4	448.9	449.7	451.9	451.9	452.7	454.2	453.5	454.2	455.0	454.2
22.5°	475.8	475.0	475.8	478.1	478.1	478.9	481.2	481.2	481.2	481.9	481.2
25°	503.5	502.7	503.5	505.8	505.8	507.4	510.4	510.4	511.2	512.0	511.2
27.5°	535.9	535.1	536.6	539.0	539.7	542.0	545.9	546.7	547.4	548.2	546.7
30°	573.6	572.0	574.3	578.2	579.7	582.8	587.5	589.0	589.7	592.0	590.5
32.5°	616.7	615.2	618.3	622.8	625.2	629.8	636.0	637.5	639.8	641.3	639.0
35°	667.5	666.8	669.8	676.8	680.6	686.0	694.5	696.8	698.3	701.4	698.3
37.5°	723.7	722.9	728.3	736.1	743.0	751.4	760.6	764.5	766.9	770.7	766.9
40°	786.1	785.3	792.2	801.5	809.9	820.7	832.3	837.6	842.3	846.2	841.5
42.5°	850.0	850.0	858.4	868.4	880.8	893.9	906.9	913.1	920.8	923.1	917.7
45°	911.6	912.3	920.8	933.1	950.8	967.7	982.4	990.1	998.5	1000.9	994.0
47.5°	970.1	970.9	978.5	994.7	1014.8	1034.0	1051.7	1062.5	1070.9	1071.7	1066.3
50°	1017.8	1020.9	1030.9	1045.5	1066.3	1086.3	1107.9	1121.8	1130.2	1132.6	1127.1
52.5°	1036.3	1041.7	1053.3	1071.7	1095.5	1116.3	1140.2	1157.9	1167.9	1171.8	1167.2
55°	1019.3	1025.5	1039.4	1060.2	1086.3	1112.5	1137.1	1157.9	1171.8	1177.2	1172.6
57.5°	981.6	982.4	996.2	1017.0	1040.9	1067.8	1091.7	1111.0	1124.1	1129.5	1128.7
60°	916.2	916.2	929.3	949.3	967.7	995.5	1015.5	1030.1	1039.4	1045.5	1044.0
62.5°	828.4	828.4	839.9	860.7	879.2	903.1	922.4	937.7	943.9	950.8	952.4
65°	730.6	730.6	741.4	762.2	779.1	800.7	819.1	833.8	839.9	848.4	846.9
67.5°	626.7	626.0	636.0	653.6	669.8	689.8	707.6	721.4	728.3	738.3	731.4
70°	519.7	519.7	528.2	542.0	553.5	573.6	590.5	604.4	609.7	618.3	614.4
72.5°	418.1	417.3	424.2	435.0	444.2	461.9	471.9	487.4	491.9	503.5	497.4
75°	326.4	324.9	330.3	338.0	344.1	355.7	363.4	375.7	379.6	387.3	384.2
77.5°	245.6	244.8	247.1	252.5	257.1	266.4	269.5	275.6	278.7	286.4	280.3
80°	176.3	174.0	176.3	179.4	181.0	187.9	188.6	191.0	192.5	197.9	191.7
82.5°	118.6	115.5	117.0	119.3	119.3	123.2	123.9	123.2	126.2	127.8	124.7
85°	67.7	65.4	66.2	67.7	67.0	69.3	69.3	68.5	70.8	70.8	69.3
87.5°	22.4	20.8	21.6	22.4	22.4	23.1	23.9	23.1	24.6	24.6	23.1
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°	348.8	348.8	348.8	348.8	348.8	348.8	348.8	348.8
2.5°	351.1	351.1	351.1	351.1	351.1	351.1	351.1	351.1
5°	355.7	355.7	355.7	355.7	355.7	354.9	354.9	354.9
7.5°	362.6	362.6	362.6	362.6	362.6	361.8	361.8	361.8
10°	373.4	372.6	372.6	372.6	372.6	371.8	372.6	371.8
12.5°	387.3	388.0	388.0	387.3	388.0	386.5	386.5	386.5
15°	406.5	405.7	405.7	405.7	405.7	405.0	405.0	405.0
17.5°	428.1	428.1	427.3	427.3	426.5	425.8	425.8	425.8
20°	453.5	452.7	451.9	451.1	450.4	448.9	448.1	448.1
22.5°	479.7	478.9	478.1	477.4	476.6	475.0	473.5	473.5
25°	508.9	507.4	506.6	505.1	503.5	501.9	501.2	500.4
27.5°	544.3	542.8	540.4	538.2	535.1	534.3	532.8	532.8
30°	586.7	584.4	581.2	577.5	574.3	571.2	569.7	569.0
32.5°	636.0	632.9	627.5	622.8	617.5	614.4	612.1	610.5
35°	693.7	689.0	682.9	676.0	669.0	663.7	659.8	659.8
37.5°	761.4	754.5	745.3	736.8	726.8	720.6	716.0	712.9
40°	835.4	825.4	813.8	803.0	791.5	783.0	776.1	776.9
42.5°	908.5	900.0	886.2	873.1	858.4	846.9	838.4	837.6
45°	985.5	974.7	957.7	940.8	923.9	910.0	900.0	898.4
47.5°	1057.0	1045.5	1025.5	1004.7	986.2	970.9	960.1	958.5
50°	1115.6	1101.8	1081.0	1058.6	1038.6	1021.7	1010.1	1007.0
52.5°	1153.3	1137.9	1115.6	1088.6	1067.1	1047.8	1034.0	1030.1
55°	1159.5	1139.5	1115.6	1085.5	1061.7	1040.1	1024.8	1020.1
57.5°	1117.1	1095.5	1074.0	1047.8	1024.0	1000.9	988.5	982.4
60°	1034.8	1017.8	1000.1	976.2	957.0	935.5	925.4	922.4
62.5°	940.0	925.4	909.2	884.7	868.4	849.2	839.9	836.1
65°	838.4	821.5	806.1	786.1	768.3	752.2	739.1	737.6
67.5°	726.0	708.3	695.2	677.6	659.8	644.4	636.0	631.3
70°	607.5	592.8	579.7	560.5	549.0	534.3	528.2	523.5
72.5°	489.7	481.2	465.0	452.7	439.7	428.1	424.2	419.6
75°	378.8	368.8	356.5	348.8	338.8	332.6	329.5	326.4
77.5°	277.9	269.5	262.5	259.5	254.8	248.7	246.4	244.0
80°	192.5	188.6	184.0	183.2	180.2	175.5	174.7	174.0
82.5°	124.7	122.5	120.9	120.9	119.3	116.2	115.5	115.5
85°	69.3	68.5	69.3	68.5	67.0	65.4	65.4	65.4
87.5°	23.1	23.1	23.9	24.6	22.4	22.4	21.6	21.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)