

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: P197535

Luminaire Tested: **TT-C1-LED-E1-5CQ-PM-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197535
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-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3563.6 lumens
Efficiency: N/A
Efficacy: 127.3 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

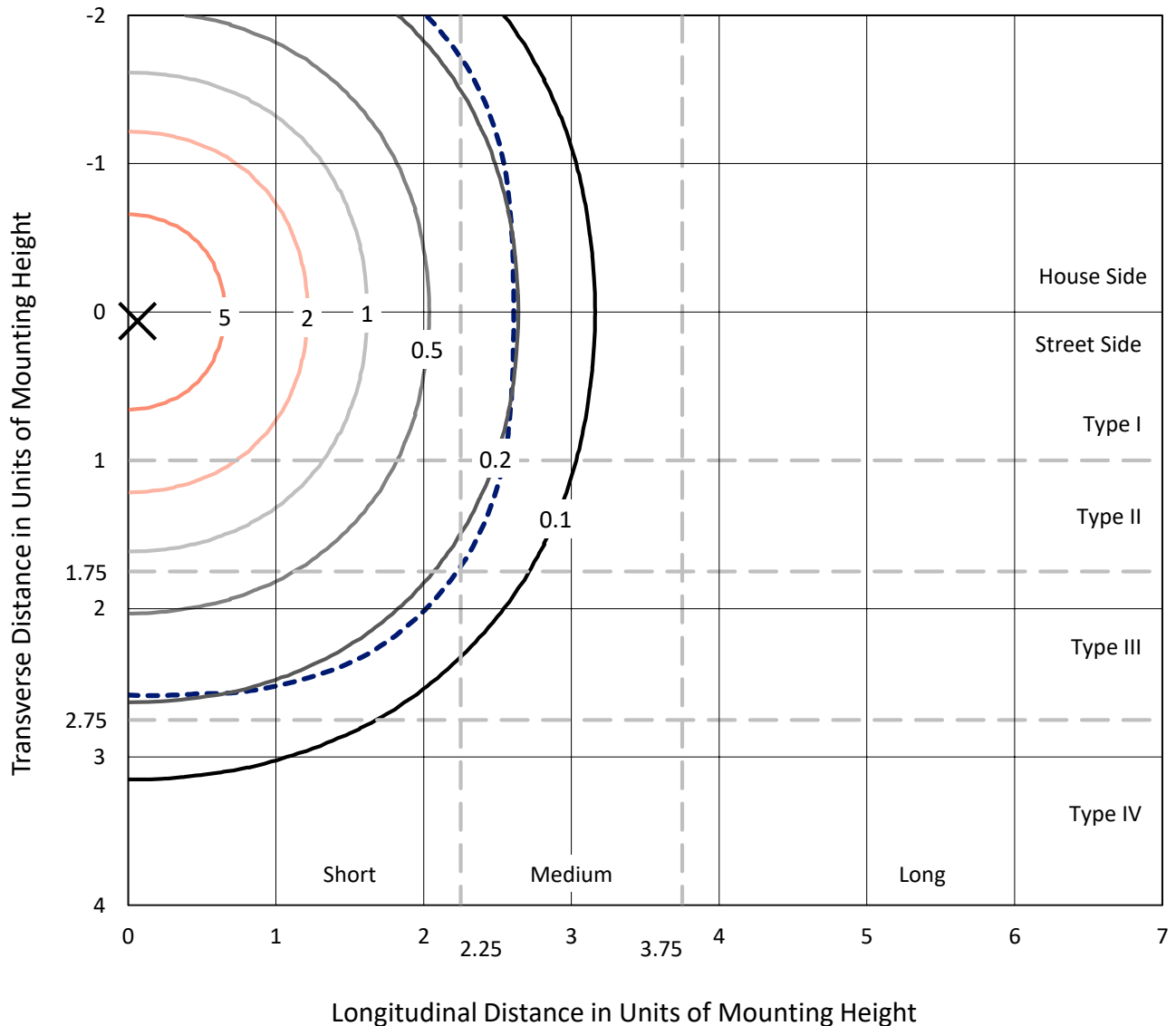


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Iso-Footcandle Lines of Horizontal Illumination

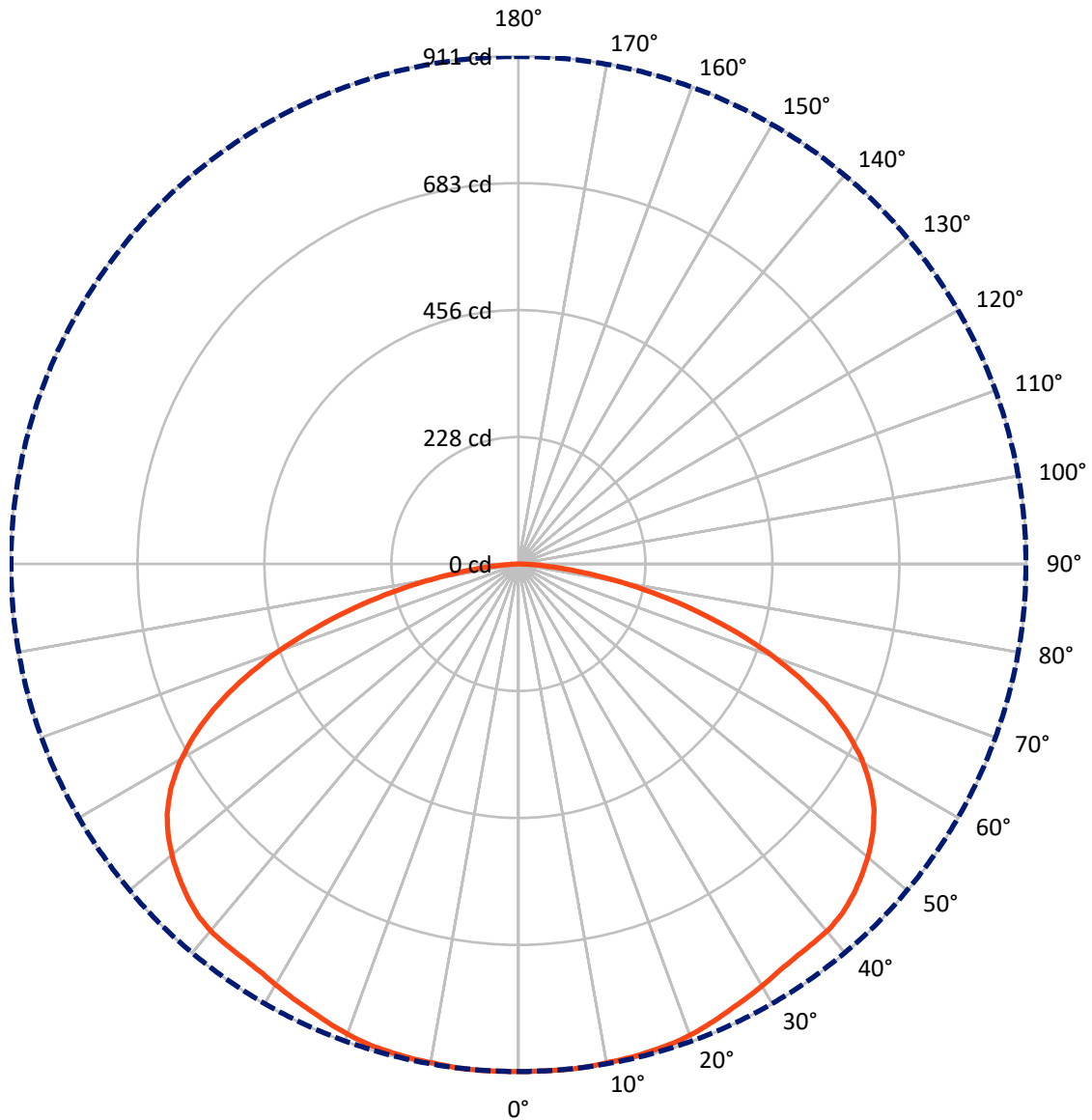
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.1 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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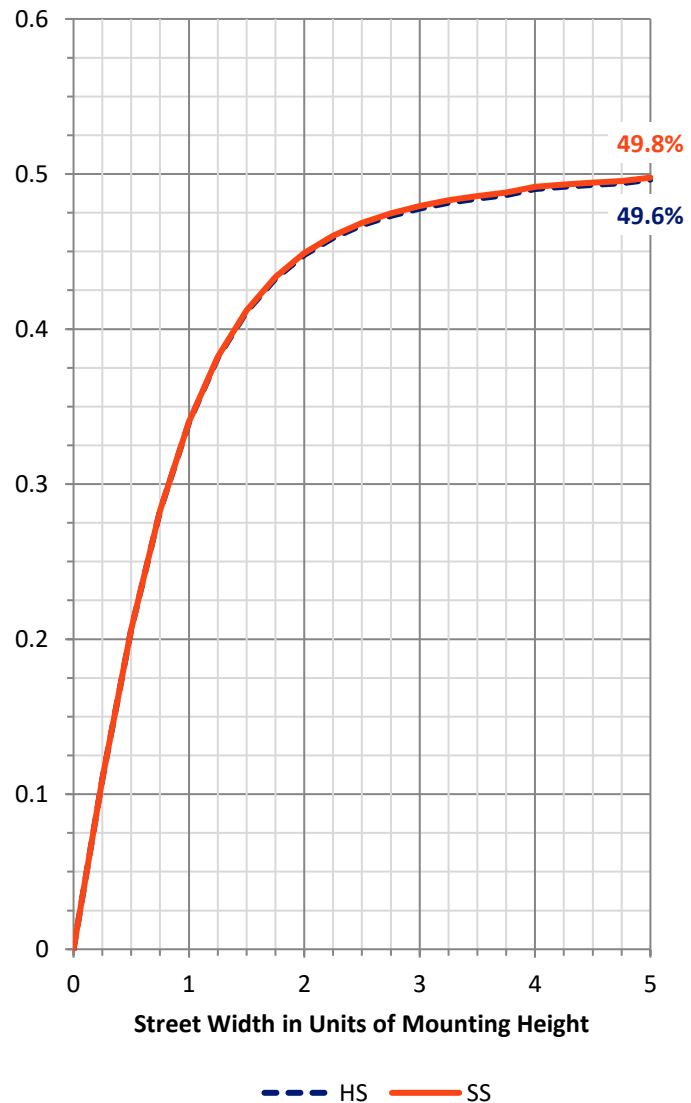
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1781.8	0.0	1781.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1781.8	0.0	1781.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	3563.6	0.0	3563.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.8	2.4
10°-20°	256.1	7.2
20°-30°	408.7	11.5
30°-40°	538.4	15.1
40°-50°	640.4	18.0
50°-60°	670.3	18.8
60°-70°	570.0	16.0
70°-80°	323.9	9.1
80°-90°	68.9	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°	3563.6	100.0
0°-180°	3563.6	100.0



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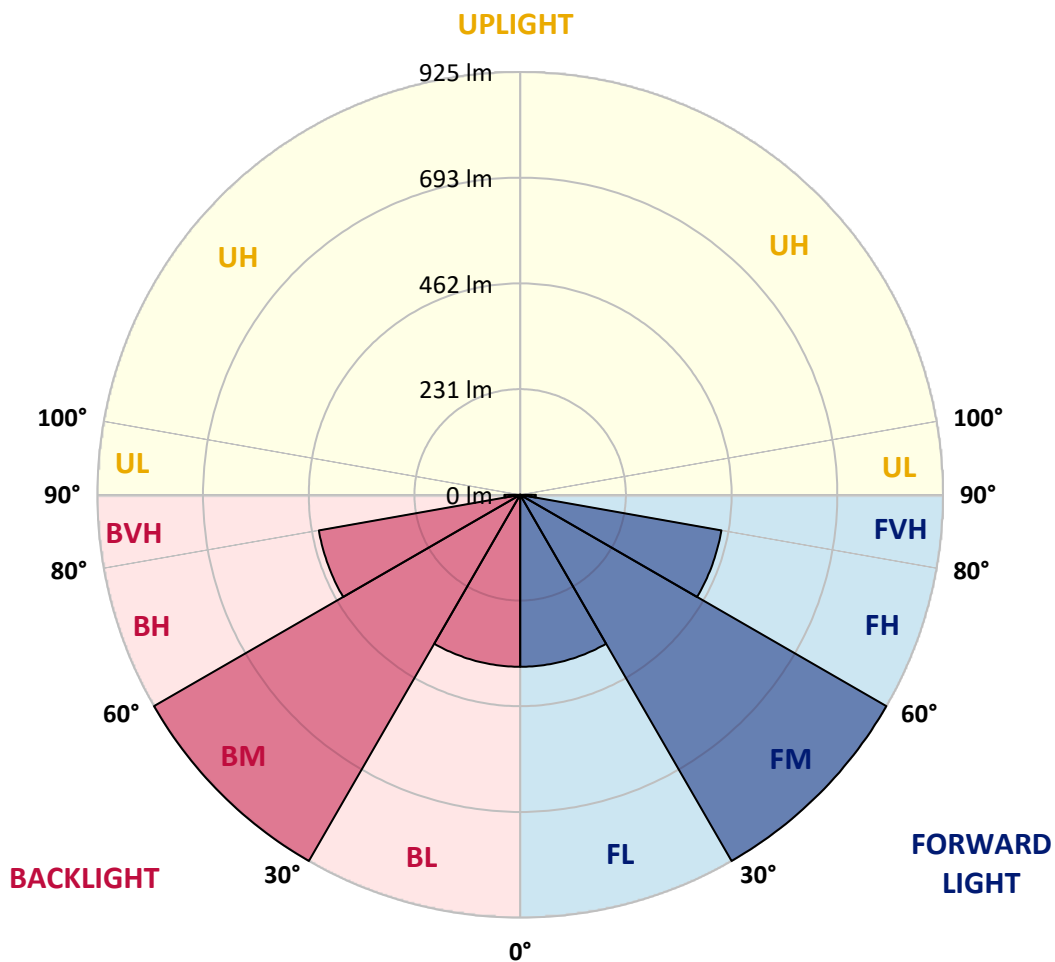
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	375.9	10.5			
FM	(30°-60°)	924.5	25.9			
FH	(60°-80°)	447.0	12.5			G0/660
FVH	(80°-90°)	34.4	1.0			G1/100
BL	(0°-30°)	375.9	10.5	B1/500		
BM	(30°-60°)	924.5	25.9	B1/1000		
BH	(60°-80°)	447.0	12.5	B1/500		G0/660
BVH	(80°-90°)	34.4	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°	910.5	910.5	910.5	910.5	910.5	910.5	910.5	910.5	910.5	910.5	910.5
2.5°	910.5	910.5	910.5	910.5	910.5	910.5	910.5	910.5	910.5	910.5	910.5
5°	910.5	910.5	910.5	910.5	910.5	910.5	910.5	910.5	910.5	911.1	910.5
7.5°	909.8	909.8	909.8	909.8	910.5	909.8	909.8	910.5	910.5	910.5	910.5
10°	908.3	907.7	907.7	908.3	908.3	908.3	908.3	908.3	909.1	908.3	908.3
12.5°	906.3	905.5	906.3	906.3	906.3	907.0	907.0	907.0	907.7	907.7	907.0
15°	904.2	904.2	904.2	904.2	904.2	904.9	904.9	905.5	905.5	905.5	905.5
17.5°	901.4	901.4	901.4	902.1	902.1	902.7	902.7	902.7	903.4	903.4	903.4
20°	896.5	895.8	896.5	896.5	897.1	897.8	897.8	898.6	898.6	898.6	898.6
22.5°	889.4	889.4	890.1	890.1	890.8	891.5	891.5	892.2	892.2	892.2	892.2
25°	882.3	883.1	883.1	883.8	883.8	884.5	885.1	885.1	885.1	885.1	885.1
27.5°	875.4	876.1	876.1	876.1	876.7	877.5	878.2	878.9	879.5	878.9	878.9
30°	867.6	867.6	868.3	869.0	869.8	870.5	871.8	872.6	873.3	872.6	872.6
32.5°	859.2	859.9	860.6	861.3	862.7	864.1	865.5	866.2	867.0	866.2	866.2
35°	852.9	852.9	854.3	855.7	857.1	859.2	860.6	862.0	863.4	862.7	862.0
37.5°	846.6	846.6	847.9	850.1	852.9	855.7	858.5	860.6	861.3	861.3	860.6
40°	838.8	839.5	841.0	844.4	848.7	852.2	855.7	858.5	859.9	859.9	858.5
42.5°	830.4	831.1	833.2	836.7	841.6	845.8	850.1	852.2	854.3	854.3	852.9
45°	818.4	819.1	821.9	825.5	830.4	834.6	839.5	841.6	844.4	843.8	843.0
47.5°	803.0	803.7	806.5	810.0	815.0	819.9	824.7	828.3	830.4	830.4	829.7
50°	784.0	784.7	787.5	791.1	797.4	803.0	807.9	811.4	815.0	815.0	814.2
52.5°	760.2	761.5	763.6	768.6	775.6	781.9	788.3	793.9	795.9	796.7	795.9
55°	730.7	732.0	734.8	740.4	748.2	755.9	763.0	769.2	772.0	774.2	772.8
57.5°	696.2	697.6	701.1	707.5	715.9	723.6	732.7	739.8	741.9	744.0	743.2
60°	655.5	657.6	661.1	668.1	676.5	685.0	693.4	701.9	703.9	706.7	705.3
62.5°	607.7	609.8	613.3	621.1	630.1	637.9	647.7	655.5	657.6	660.4	659.7
65°	552.9	555.0	558.5	566.9	575.3	583.8	592.9	601.3	603.5	606.3	605.6
67.5°	490.4	492.5	496.0	505.8	514.2	522.7	530.4	538.8	540.2	543.1	542.4
70°	424.4	427.2	430.0	439.0	446.8	453.8	462.2	469.3	472.1	473.6	472.1
72.5°	358.3	360.4	363.2	369.5	375.1	381.4	389.9	394.9	396.9	397.7	397.7
75°	290.2	292.2	292.2	299.3	303.5	307.0	314.1	317.5	319.0	320.3	320.3
77.5°	225.5	224.1	225.5	228.3	231.1	233.9	238.2	240.3	241.7	244.5	243.1
80°	158.0	158.8	159.5	161.6	163.0	163.7	166.5	167.2	167.9	170.7	169.4
82.5°	101.9	100.4	101.9	101.2	102.6	100.4	101.9	104.0	102.6	104.0	104.7
85°	53.4	51.3	51.3	52.0	52.7	51.3	52.0	51.3	51.3	52.7	52.0
87.5°	16.8	16.1	16.8	16.1	16.8	16.1	16.8	17.6	16.8	16.8	17.6
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°	910.5	910.5	910.5	910.5	910.5	910.5	910.5	910.5
2.5°	910.5	910.5	910.5	910.5	910.5	910.5	910.5	910.5
5°	910.5	910.5	910.5	910.5	910.5	910.5	910.5	910.5
7.5°	909.8	909.8	909.8	909.8	909.8	909.8	909.1	909.8
10°	908.3	908.3	908.3	908.3	907.7	907.7	907.7	907.7
12.5°	907.0	907.0	906.3	906.3	906.3	906.3	905.5	905.5
15°	905.5	904.9	904.9	904.2	904.2	904.2	903.4	904.2
17.5°	903.4	902.7	902.7	902.1	902.1	901.4	901.4	901.4
20°	898.6	897.8	897.8	897.1	897.1	896.5	895.8	895.8
22.5°	891.5	891.5	891.5	890.8	890.1	890.1	889.4	889.4
25°	885.1	884.5	884.5	883.8	883.1	883.1	882.3	882.3
27.5°	878.9	878.2	877.5	876.1	876.1	875.4	874.6	873.9
30°	871.8	870.5	869.0	868.3	867.6	866.2	865.5	864.8
32.5°	864.8	863.4	862.0	860.6	858.5	857.8	856.4	856.4
35°	860.6	858.5	856.4	853.5	851.5	849.4	847.9	847.3
37.5°	858.5	855.7	852.2	848.7	845.1	842.3	840.2	840.2
40°	855.7	852.2	847.9	843.0	838.8	835.3	833.2	832.5
42.5°	850.1	846.6	841.0	836.7	831.1	827.6	824.7	824.1
45°	840.2	836.7	831.8	826.2	820.6	816.3	813.5	812.8
47.5°	827.6	823.4	817.8	812.2	806.5	801.6	798.8	798.0
50°	811.4	807.2	801.6	795.9	789.6	784.7	781.2	781.2
52.5°	793.1	788.3	781.9	775.6	768.6	763.6	760.2	759.5
55°	769.2	763.6	757.4	750.3	742.6	737.0	732.7	732.0
57.5°	739.8	733.5	726.4	718.7	711.0	704.7	699.7	699.1
60°	702.5	695.5	688.4	680.8	672.3	665.3	660.4	659.0
62.5°	656.8	649.1	641.5	634.4	625.2	618.3	613.3	611.9
65°	602.8	596.4	588.7	580.3	570.4	563.4	558.5	557.8
67.5°	539.6	533.2	525.5	517.7	508.0	501.6	496.7	495.3
70°	470.0	464.4	458.1	450.4	441.8	435.6	430.6	430.0
72.5°	396.2	391.3	385.7	380.1	371.7	366.7	362.5	361.8
75°	320.3	315.4	311.3	307.0	300.7	297.1	293.0	293.0
77.5°	243.1	241.7	238.9	233.9	230.4	227.6	225.5	224.1
80°	170.0	168.6	167.2	164.4	162.3	161.6	160.2	158.8
82.5°	104.0	103.2	104.0	102.6	101.9	101.9	101.2	99.8
85°	52.7	53.4	52.7	52.0	52.0	52.0	52.0	51.3
87.5°	16.8	17.6	16.8	16.1	16.1	16.1	16.1	15.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)