

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: P197533

Luminaire Tested: **TT-C1-LED-E1-5CQ-PM-MS/DIM-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197533  
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-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: 3219.5 lumens  
Efficiency: N/A  
Efficacy: 115.0 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

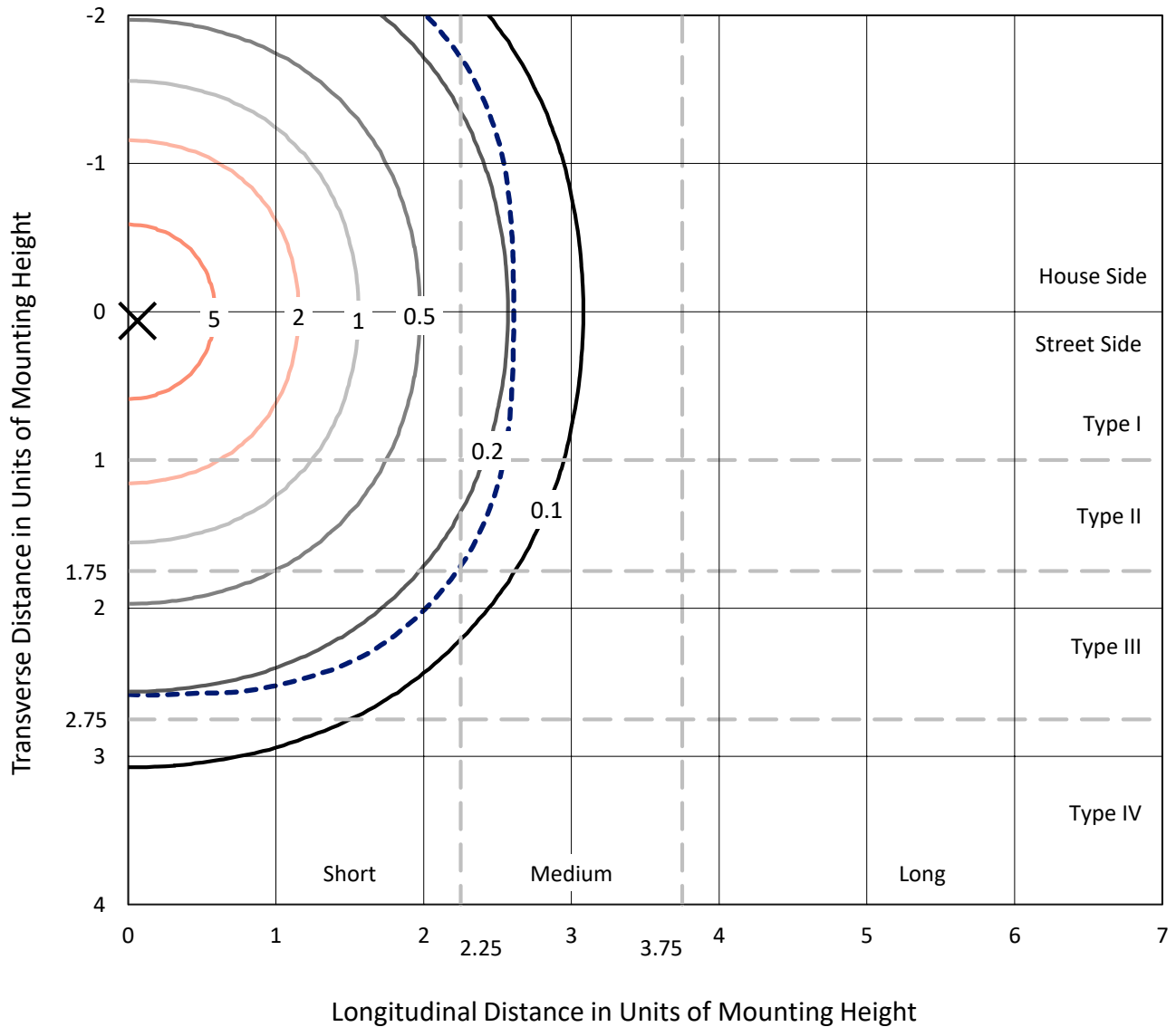


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### Iso-Footcandle Lines of Horizontal Illumination

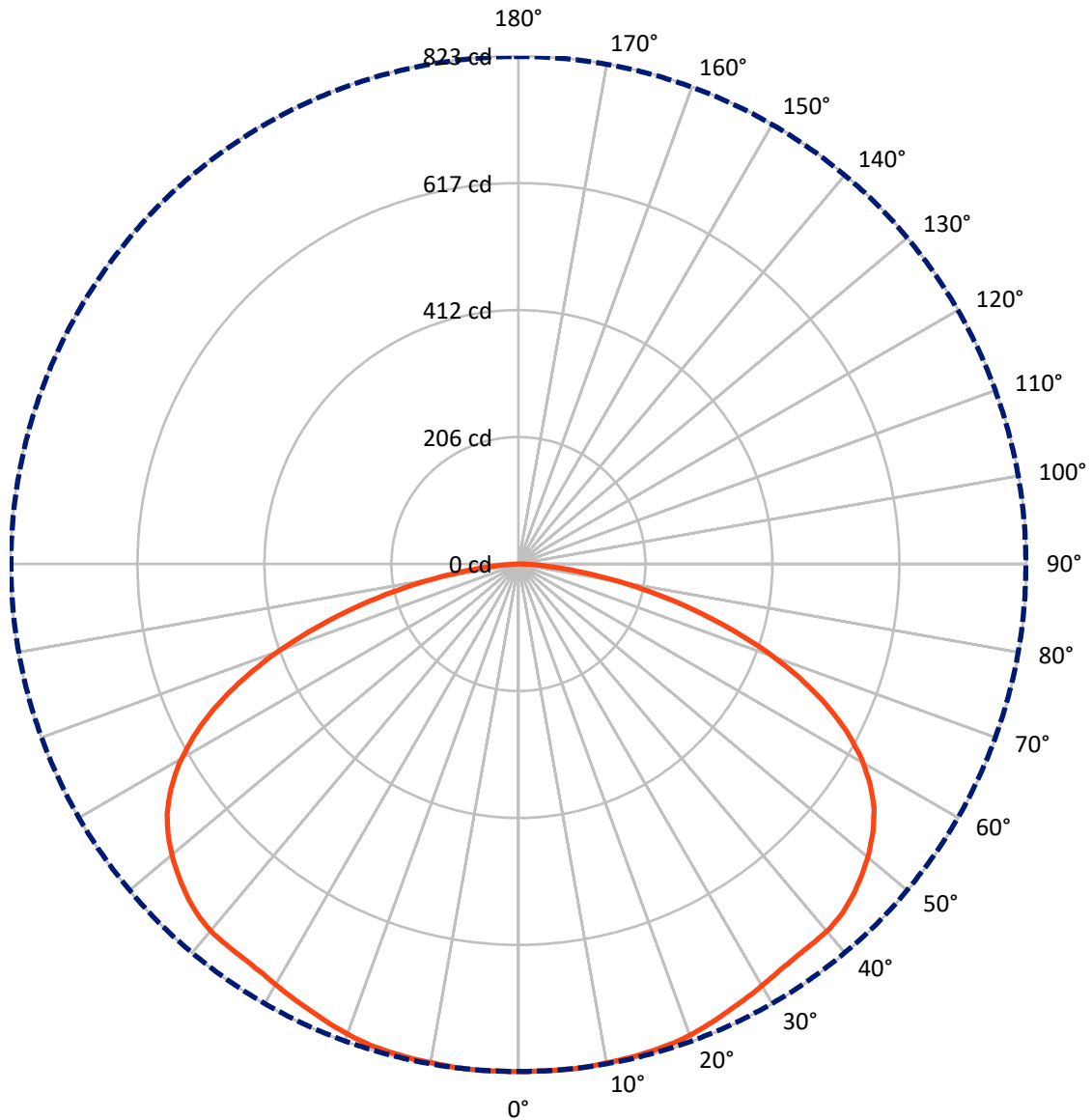
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 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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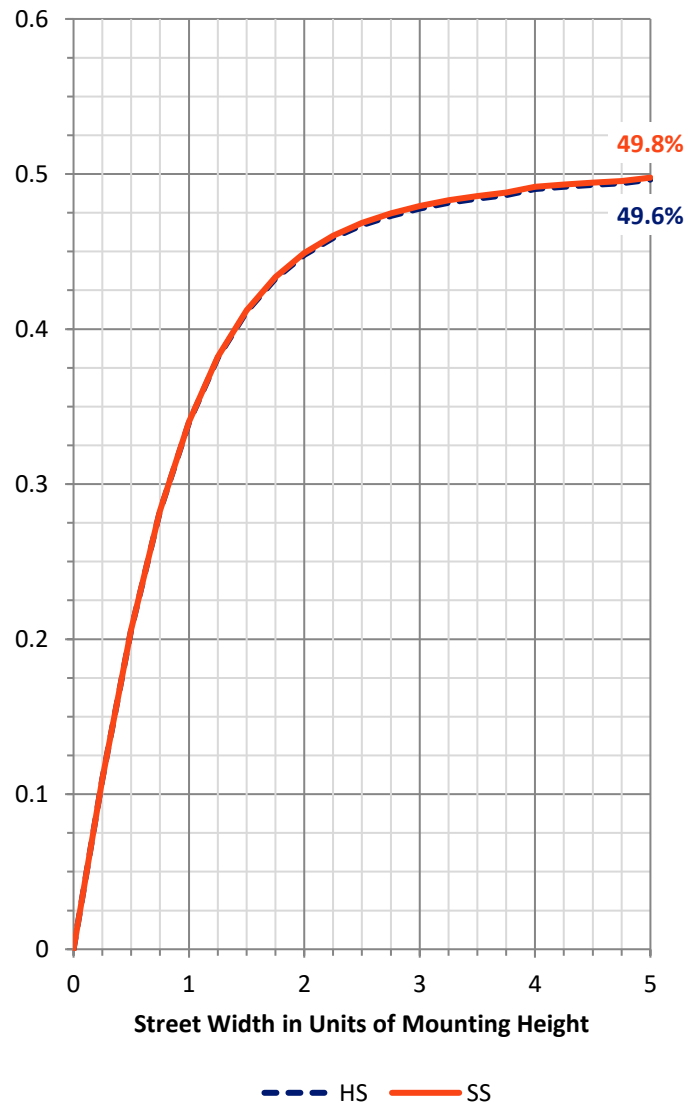
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1609.8	0.0	1609.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1609.8	0.0	1609.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3219.5	0.0	3219.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.5	2.4
10°-20°	231.4	7.2
20°-30°	369.3	11.5
30°-40°	486.4	15.1
40°-50°	578.6	18.0
50°-60°	605.5	18.8
60°-70°	515.0	16.0
70°-80°	292.6	9.1
80°-90°	62.2	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°	3219.5	100.0
0°-180°	3219.5	100.0



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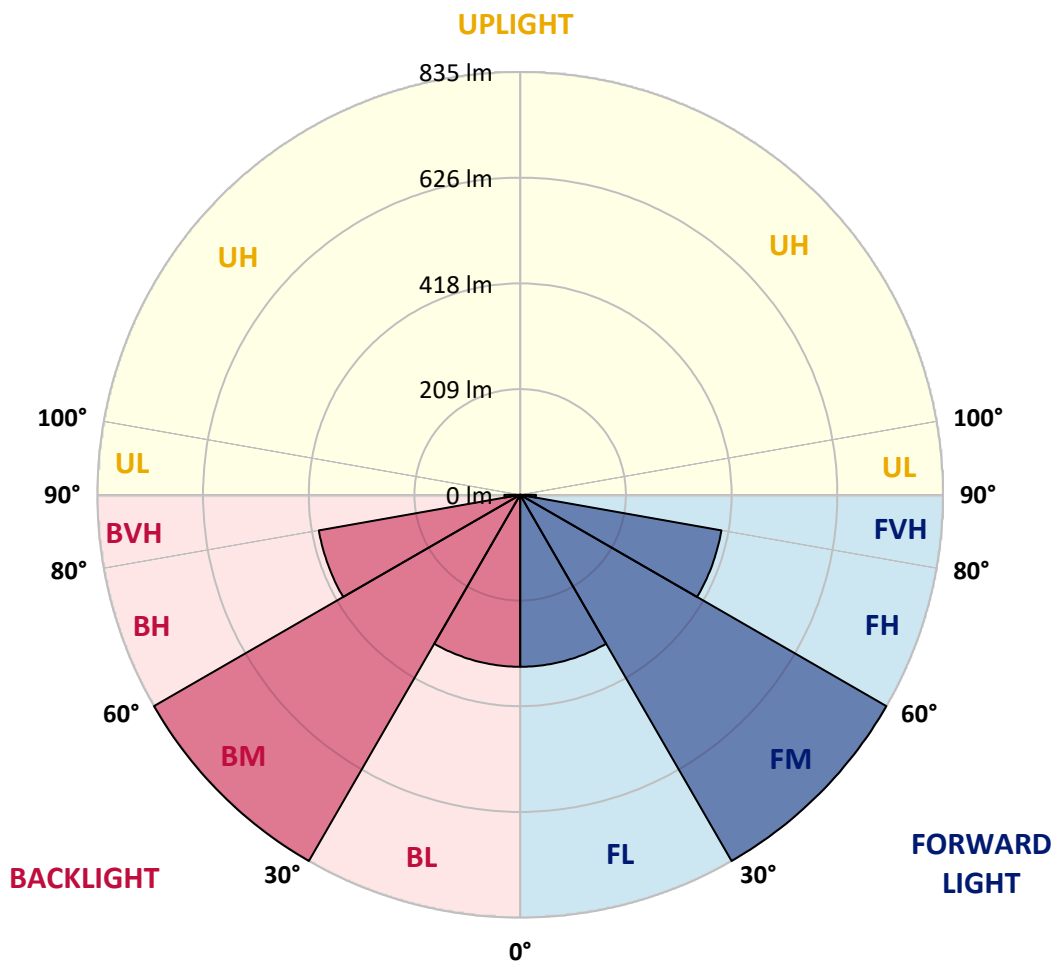
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	339.6	10.5			
FM	(30°-60°)	835.3	25.9			
FH	(60°-80°)	403.8	12.5			G0/660
FVH	(80°-90°)	31.1	1.0			G1/100
BL	(0°-30°)	339.6	10.5	B1/500		
BM	(30°-60°)	835.3	25.9	B1/1000		
BH	(60°-80°)	403.8	12.5	B1/500		G0/660
BVH	(80°-90°)	31.1	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°	822.6	822.6	822.6	822.6	822.6	822.6	822.6	822.6	822.6	822.6	822.6
2.5°	822.6	822.6	822.6	822.6	822.6	822.6	822.6	822.6	822.6	822.6	822.6
5°	822.6	822.6	822.6	822.6	822.6	822.6	822.6	822.6	822.6	823.2	822.6
7.5°	821.9	821.9	821.9	821.9	822.6	821.9	821.9	822.6	822.6	822.6	822.6
10°	820.7	820.0	820.0	820.7	820.7	820.7	820.7	820.7	821.2	820.7	820.7
12.5°	818.7	818.2	818.7	818.7	818.7	819.4	819.4	819.4	820.0	820.0	819.4
15°	816.9	816.9	816.9	816.9	816.9	817.5	817.5	818.2	818.2	818.2	818.2
17.5°	814.3	814.3	814.3	815.0	815.0	815.5	815.5	815.5	816.2	816.2	816.2
20°	809.8	809.3	809.8	809.8	810.5	811.1	811.1	811.8	811.8	811.8	811.8
22.5°	803.6	803.6	804.1	804.1	804.8	805.4	805.4	806.1	806.1	806.1	806.1
25°	797.2	797.9	797.9	798.4	798.4	799.1	799.7	799.7	799.7	799.7	799.7
27.5°	790.8	791.5	791.5	791.5	792.1	792.7	793.4	794.0	794.7	794.0	794.0
30°	783.8	783.8	784.5	785.1	785.8	786.4	787.6	788.3	789.0	788.3	788.3
32.5°	776.2	776.9	777.5	778.1	779.4	780.7	781.9	782.6	783.3	782.6	782.6
35°	770.5	770.5	771.8	773.0	774.4	776.2	777.5	778.8	780.1	779.4	778.8
37.5°	764.8	764.8	766.1	768.0	770.5	773.0	775.6	777.5	778.1	778.1	777.5
40°	757.8	758.4	759.8	762.9	766.7	769.9	773.0	775.6	776.9	776.9	775.6
42.5°	750.2	750.9	752.7	755.9	760.4	764.2	768.0	769.9	771.8	771.8	770.5
45°	739.4	740.1	742.6	745.8	750.2	754.0	758.4	760.4	762.9	762.3	761.6
47.5°	725.5	726.1	728.6	731.8	736.3	740.7	745.2	748.3	750.2	750.2	749.6
50°	708.3	708.9	711.5	714.6	720.3	725.5	729.9	733.1	736.3	736.3	735.6
52.5°	686.7	688.0	689.9	694.3	700.7	706.4	712.1	717.2	719.1	719.8	719.1
55°	660.1	661.4	663.9	669.0	676.0	682.9	689.3	695.0	697.5	699.5	698.2
57.5°	629.0	630.2	633.4	639.1	646.8	653.7	661.9	668.3	670.3	672.1	671.5
60°	592.2	594.1	597.3	603.6	611.2	618.8	626.5	634.1	635.9	638.5	637.2
62.5°	549.0	550.9	554.1	561.0	569.3	576.3	585.2	592.2	594.1	596.6	596.0
65°	499.5	501.4	504.6	512.2	519.9	527.4	535.7	543.3	545.2	547.8	547.1
67.5°	443.0	444.9	448.1	457.0	464.6	472.2	479.2	486.8	488.1	490.7	490.0
70°	383.4	385.9	388.4	396.7	403.7	410.0	417.6	424.0	426.5	427.8	426.5
72.5°	323.7	325.6	328.2	333.9	338.9	344.6	352.2	356.7	358.6	359.2	359.2
75°	262.2	264.0	264.0	270.4	274.2	277.3	283.7	286.9	288.2	289.4	289.4
77.5°	203.8	202.5	203.8	206.3	208.8	211.4	215.2	217.1	218.4	220.9	219.6
80°	142.8	143.4	144.0	146.0	147.2	147.9	150.4	151.1	151.7	154.3	152.9
82.5°	92.0	90.8	92.0	91.4	92.7	90.8	92.0	94.0	92.7	94.0	94.5
85°	48.2	46.3	46.3	47.0	47.6	46.3	47.0	46.3	46.3	47.6	47.0
87.5°	15.3	14.6	15.3	14.6	15.3	14.6	15.3	15.9	15.3	15.3	15.9
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°	822.6	822.6	822.6	822.6	822.6	822.6	822.6	822.6
2.5°	822.6	822.6	822.6	822.6	822.6	822.6	822.6	822.6
5°	822.6	822.6	822.6	822.6	822.6	822.6	822.6	822.6
7.5°	821.9	821.9	821.9	821.9	821.9	821.9	821.2	821.9
10°	820.7	820.7	820.7	820.7	820.0	820.0	820.0	820.0
12.5°	819.4	819.4	818.7	818.7	818.7	818.7	818.2	818.2
15°	818.2	817.5	817.5	816.9	816.9	816.9	816.2	816.9
17.5°	816.2	815.5	815.5	815.0	815.0	814.3	814.3	814.3
20°	811.8	811.1	811.1	810.5	810.5	809.8	809.3	809.3
22.5°	805.4	805.4	805.4	804.8	804.1	804.1	803.6	803.6
25°	799.7	799.1	799.1	798.4	797.9	797.9	797.2	797.2
27.5°	794.0	793.4	792.7	791.5	791.5	790.8	790.2	789.5
30°	787.6	786.4	785.1	784.5	783.8	782.6	781.9	781.3
32.5°	781.3	780.1	778.8	777.5	775.6	774.9	773.7	773.7
35°	777.5	775.6	773.7	771.2	769.2	767.3	766.1	765.5
37.5°	775.6	773.0	769.9	766.7	763.5	761.0	759.1	759.1
40°	773.0	769.9	766.1	761.6	757.8	754.6	752.7	752.1
42.5°	768.0	764.8	759.8	755.9	750.9	747.7	745.2	744.5
45°	759.1	755.9	751.5	746.4	741.3	737.5	735.0	734.3
47.5°	747.7	743.8	738.8	733.7	728.6	724.2	721.7	721.0
50°	733.1	729.2	724.2	719.1	713.4	708.9	705.7	705.7
52.5°	716.6	712.1	706.4	700.7	694.3	689.9	686.7	686.1
55°	695.0	689.9	684.2	677.9	670.8	665.8	661.9	661.4
57.5°	668.3	662.6	656.2	649.3	642.3	636.6	632.2	631.5
60°	634.7	628.3	622.0	615.1	607.4	601.1	596.6	595.3
62.5°	593.4	586.5	579.5	573.1	564.9	558.5	554.1	552.8
65°	544.6	538.9	531.8	524.3	515.4	509.0	504.6	503.9
67.5°	487.5	481.8	474.7	467.8	458.9	453.2	448.7	447.5
70°	424.6	419.5	413.8	406.9	399.2	393.5	389.1	388.4
72.5°	357.9	353.5	348.5	343.3	335.7	331.3	327.5	326.9
75°	289.4	285.0	281.2	277.3	271.6	268.4	264.7	264.7
77.5°	219.6	218.4	215.8	211.4	208.2	205.6	203.8	202.5
80°	153.6	152.3	151.1	148.5	146.6	146.0	144.7	143.4
82.5°	94.0	93.3	94.0	92.7	92.0	92.0	91.4	90.1
85°	47.6	48.2	47.6	47.0	47.0	47.0	47.0	46.3
87.5°	15.3	15.9	15.3	14.6	14.6	14.6	14.6	13.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)