

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: P198084

Luminaire Tested: **TT-C6-LED-E1-RW-PM-CG-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198084
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34695)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C6-LED-E1-RW-PM-CG-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9429.3 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

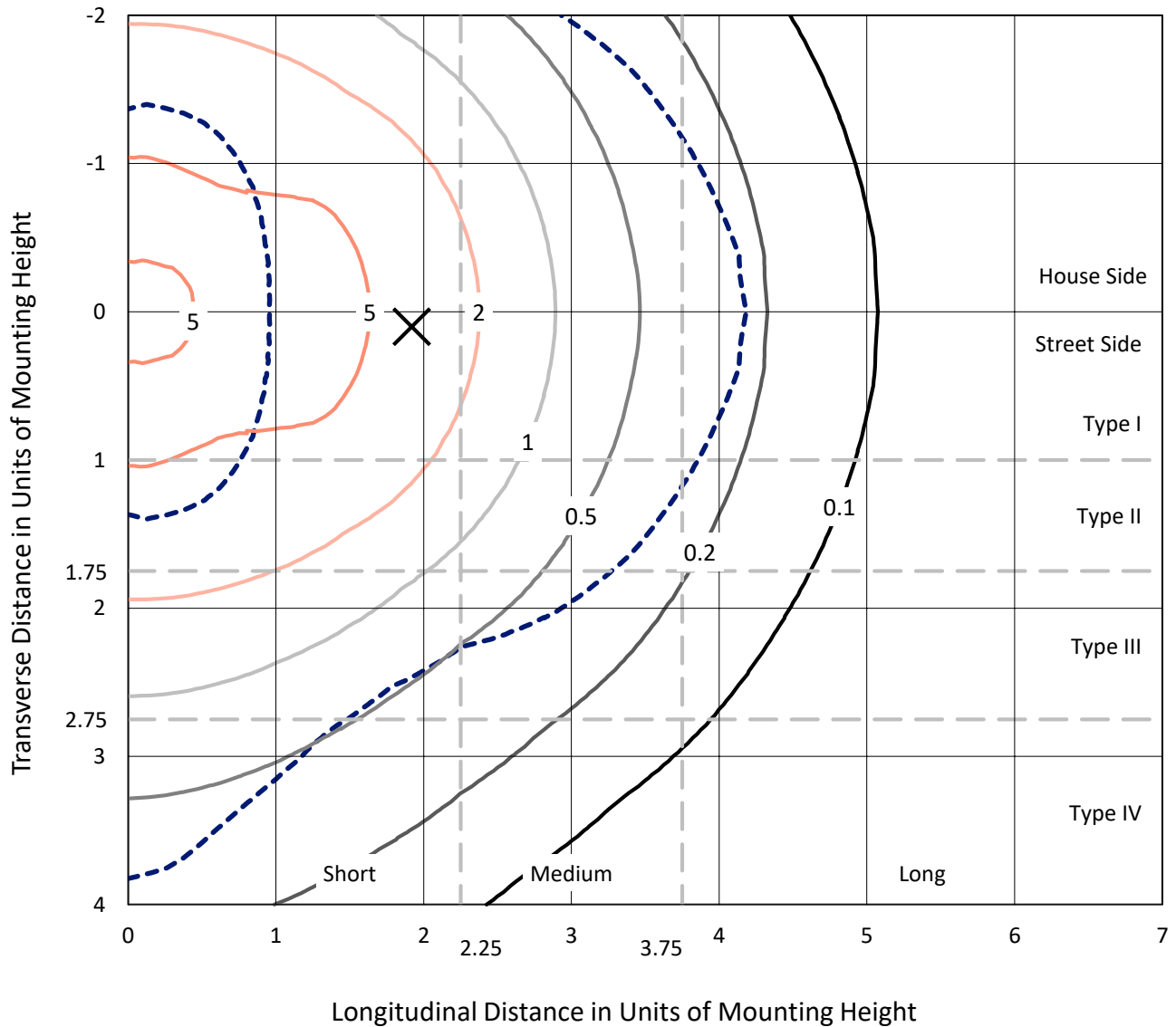
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

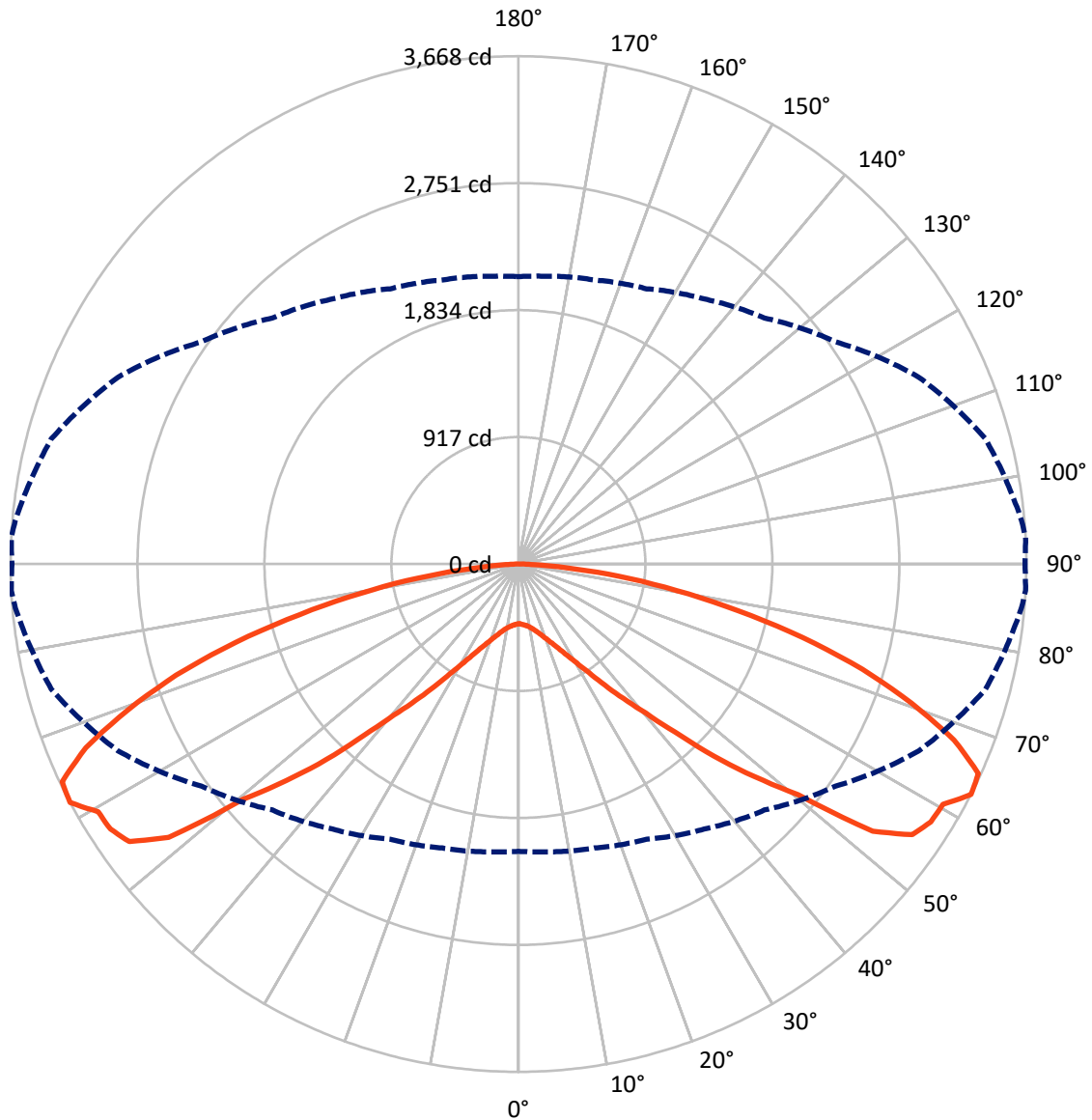
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 87-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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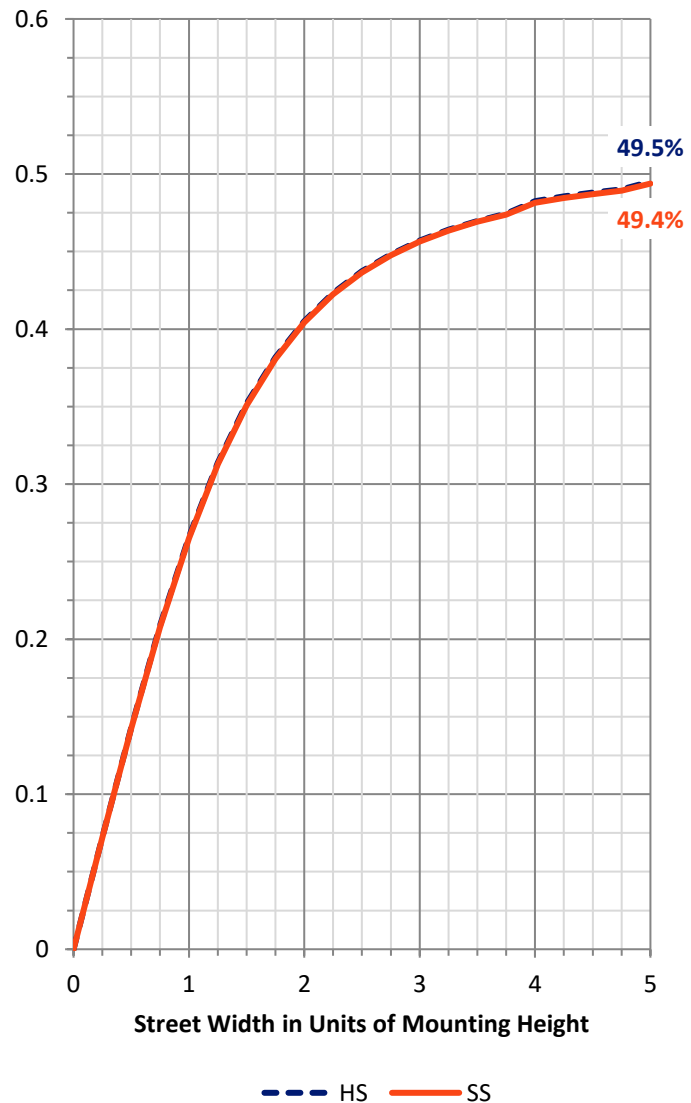
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4714.6	0.0	4714.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4714.6	0.0	4714.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	9429.3	0.0	9429.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.0	0.5
10°-20°	148.9	1.6
20°-30°	328.6	3.5
30°-40°	661.8	7.0
40°-50°	1262.4	13.4
50°-60°	2161.5	22.9
60°-70°	2618.6	27.8
70°-80°	1814.3	19.2
80°-90°	390.0	4.1
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°	9429.3	100.0
0°-180°	9429.3	100.0



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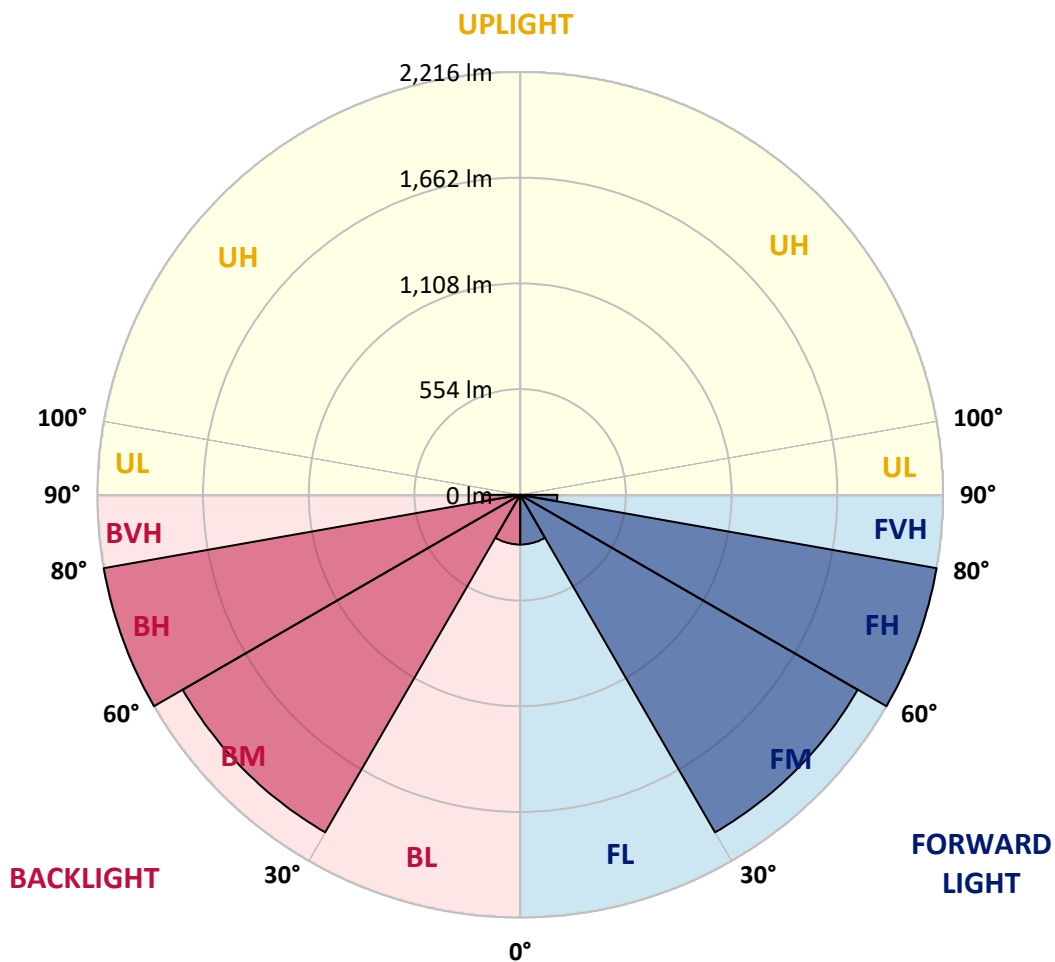
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	260.3	2.8			
FM	(30°-60°)	2042.9	21.7			
FH	(60°-80°)	2216.5	23.5			G2/5000
FVH	(80°-90°)	195.0	2.1			G2/225
BL	(0°-30°)	260.3	2.8	B1/500		
BM	(30°-60°)	2042.9	21.7	B2/2500		
BH	(60°-80°)	2216.5	23.5	B3/2500		G3/2500
BVH	(80°-90°)	195.0	2.1			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87°
0°	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0
2.5°	433.9	433.9	435.8	435.8	435.8	435.8	435.8	435.8	435.8	435.8	435.8
5°	441.6	441.6	441.6	443.5	443.5	443.5	443.5	443.5	441.6	441.6	441.6
7.5°	453.2	453.2	453.2	455.1	455.1	455.1	453.2	453.2	451.2	451.2	451.2
10°	468.6	468.6	470.5	470.5	468.6	468.6	466.7	464.7	466.7	464.7	464.7
12.5°	489.8	493.7	491.7	491.7	487.9	487.9	486.0	486.0	486.0	484.0	484.0
15°	520.7	520.7	522.6	518.7	518.7	513.0	511.0	509.1	511.0	511.0	509.1
17.5°	557.3	557.3	557.3	551.5	547.7	543.8	541.9	540.0	538.0	540.0	540.0
20°	613.2	609.4	601.7	597.8	588.2	584.3	580.4	578.5	576.6	576.6	576.6
22.5°	671.1	667.2	657.6	649.9	642.2	632.5	628.7	620.9	619.0	622.9	620.9
25°	727.0	732.8	721.2	711.6	705.8	690.4	680.7	678.8	674.9	673.0	674.9
27.5°	796.4	800.3	790.6	777.1	765.6	754.0	744.4	740.5	742.4	742.4	744.4
30°	873.6	881.3	865.9	858.1	840.8	825.4	817.6	821.5	825.4	831.1	829.2
32.5°	962.3	962.3	954.6	941.1	921.8	908.3	904.4	910.2	927.6	935.3	933.3
35°	1066.4	1058.7	1051.0	1033.6	1008.6	1000.8	1008.6	1027.8	1052.9	1066.4	1074.1
37.5°	1174.4	1159.0	1147.4	1128.1	1116.5	1112.7	1130.0	1166.7	1193.7	1218.8	1230.3
40°	1267.0	1267.0	1251.5	1230.3	1218.8	1236.1	1263.1	1315.2	1367.2	1394.2	1413.5
42.5°	1359.5	1371.1	1353.7	1336.4	1336.4	1359.5	1411.6	1492.6	1590.9	1648.8	1658.4
45°	1455.9	1477.2	1454.0	1442.4	1454.0	1500.3	1598.6	1754.8	1901.4	1995.9	1980.5
47.5°	1556.2	1575.5	1554.3	1548.5	1575.5	1658.4	1808.8	2009.4	2156.0	2254.3	2292.9
50°	1679.6	1666.1	1658.4	1656.5	1712.4	1835.8	2030.6	2246.6	2481.9	2570.6	2618.8
52.5°	1783.8	1760.6	1756.8	1770.3	1862.8	2011.3	2254.3	2651.6	2977.5	3197.3	3205.0
55°	1874.4	1849.3	1862.8	1895.6	2021.0	2227.3	2533.9	2998.7	3274.4	3438.3	3451.8
57.5°	1951.5	1938.0	1961.2	2005.5	2167.5	2414.4	2757.6	3141.4	3368.9	3500.1	3513.5
60°	2021.0	2019.0	2044.1	2119.3	2300.6	2524.3	2807.8	3151.0	3388.2	3505.8	3523.2
62.5°	2075.0	2086.5	2123.2	2192.6	2337.2	2512.7	2796.2	3191.5	3492.3	3646.6	3667.8
65°	2121.2	2132.8	2169.5	2192.6	2321.8	2489.6	2859.8	3218.5	3476.9	3637.0	3650.5
67.5°	2146.3	2159.8	2154.0	2157.9	2258.2	2389.3	2709.4	3018.0	3230.1	3376.6	3394.0
70°	2142.5	2130.9	2084.6	2036.4	2057.6	2150.2	2439.4	2697.8	2890.7	3006.4	3012.2
72.5°	2061.5	2042.2	1932.3	1820.4	1787.6	1849.3	2102.0	2296.7	2460.6	2566.7	2599.5
75°	1878.3	1839.7	1679.6	1535.0	1461.7	1508.0	1702.8	1872.5	1994.0	2098.1	2119.3
77.5°	1544.7	1521.5	1361.5	1203.3	1122.3	1153.2	1307.5	1407.7	1538.9	1646.9	1619.9
80°	1124.3	1120.4	991.2	850.4	792.6	806.1	889.0	987.3	1070.3	1151.3	1155.1
82.5°	734.7	723.2	636.4	534.2	474.4	482.1	534.2	586.2	665.3	717.4	732.8
85°	364.5	358.7	320.1	256.5	223.7	223.7	248.8	279.6	318.2	341.3	339.4
87.5°	100.3	90.6	88.7	65.6	54.0	57.9	57.9	63.6	81.0	86.8	92.6
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):

	90°
0°	430.0
2.5°	435.8
5°	441.6
7.5°	451.2
10°	466.7
12.5°	484.0
15°	509.1
17.5°	538.0
20°	576.6
22.5°	624.8
25°	674.9
27.5°	742.4
30°	831.1
32.5°	935.3
35°	1070.3
37.5°	1220.7
40°	1405.8
42.5°	1648.8
45°	1997.8
47.5°	2273.6
50°	2593.7
52.5°	3216.6
55°	3455.7
57.5°	3517.4
60°	3525.1
62.5°	3658.2
65°	3665.9
67.5°	3380.5
70°	3021.8
72.5°	2595.6
75°	2134.7
77.5°	1648.8
80°	1153.2
82.5°	721.2
85°	337.5
87.5°	84.8
90°	0.0

(END OF REPORT)