

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: P197985

Luminaire Tested: **TT-C6-LED-E1-RW-MS/DIM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197985
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34692)
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-MS/DIM-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7028.8 lumens
Efficiency: N/A
Efficacy: 65.1 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

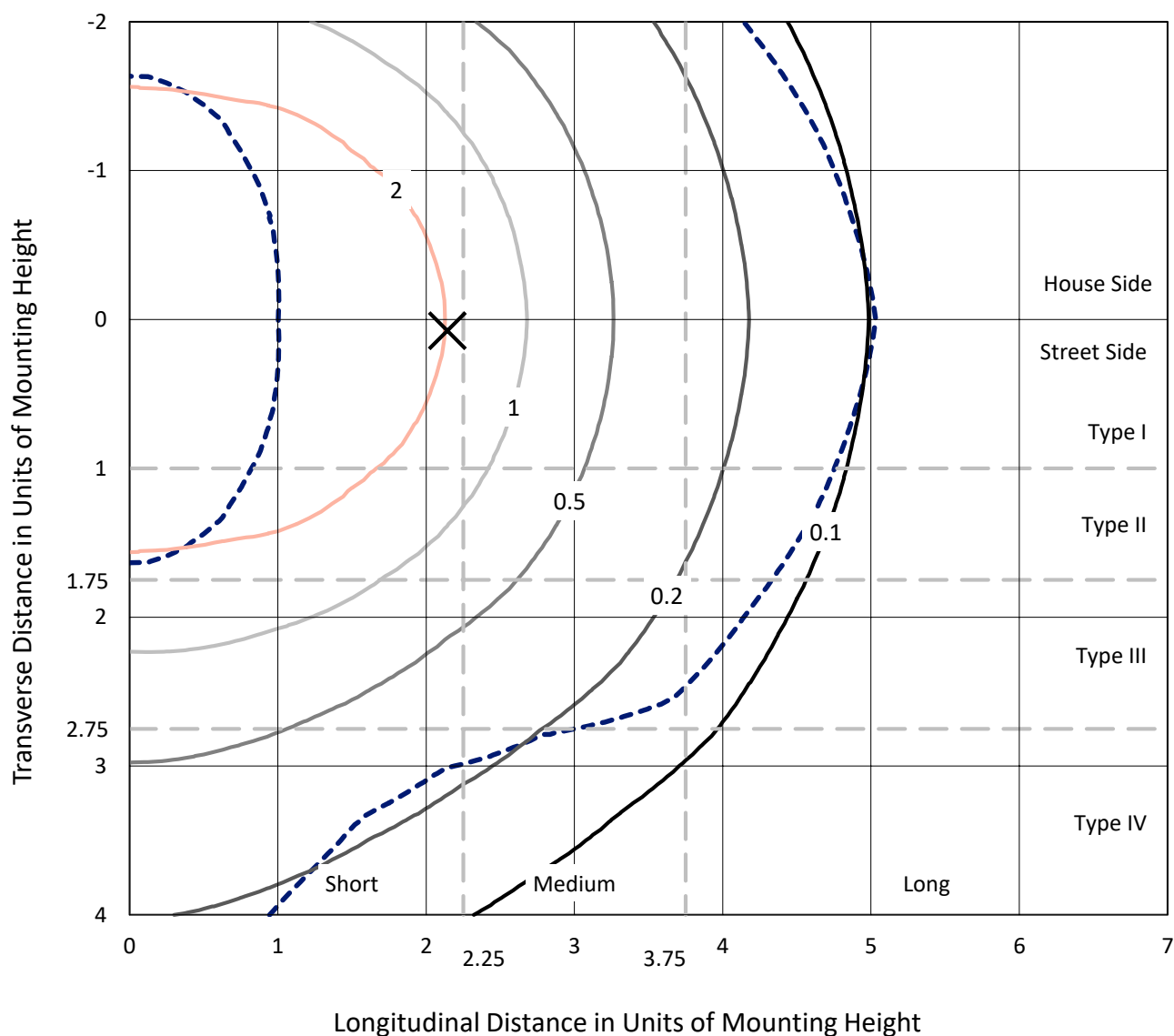


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

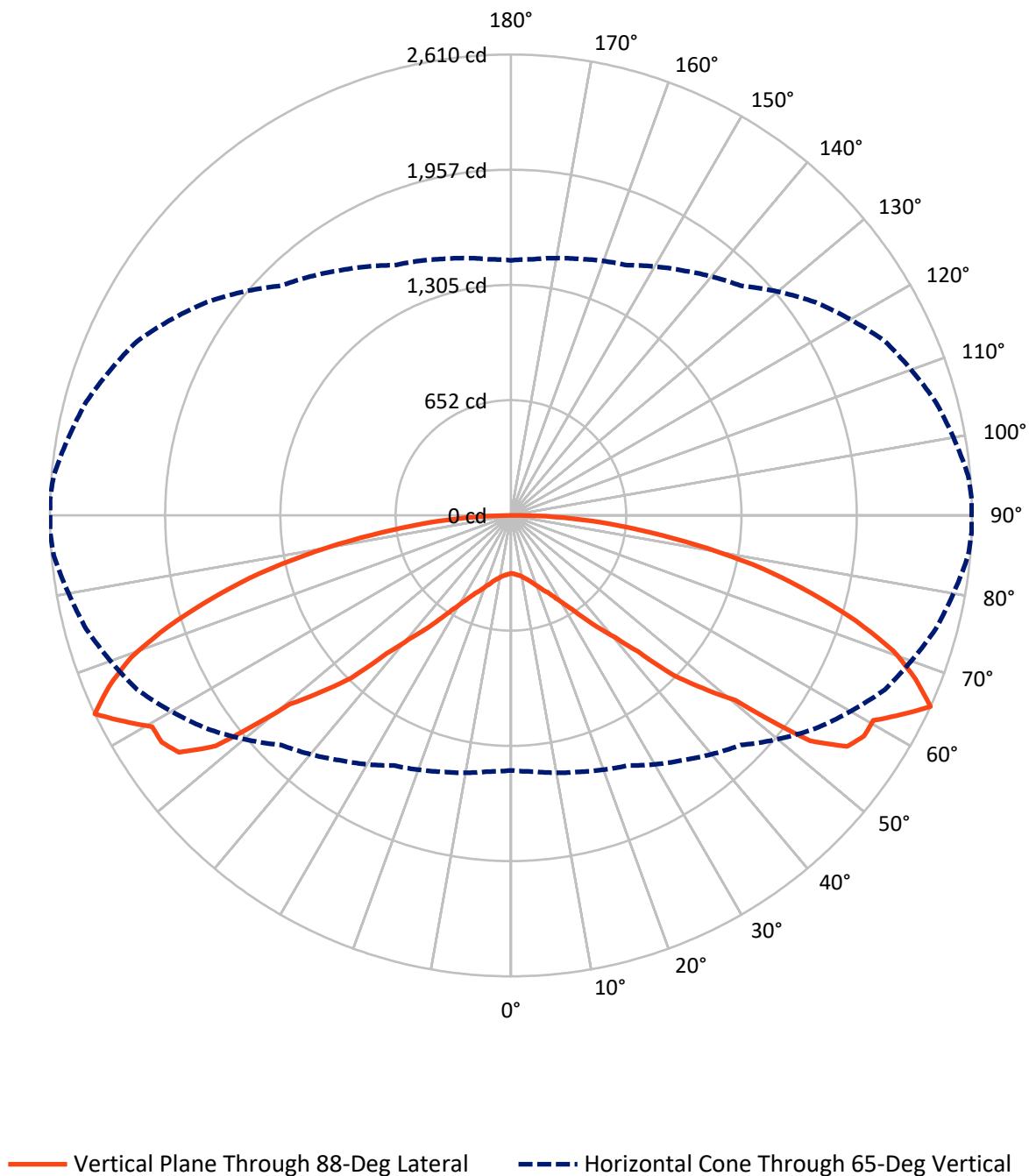


Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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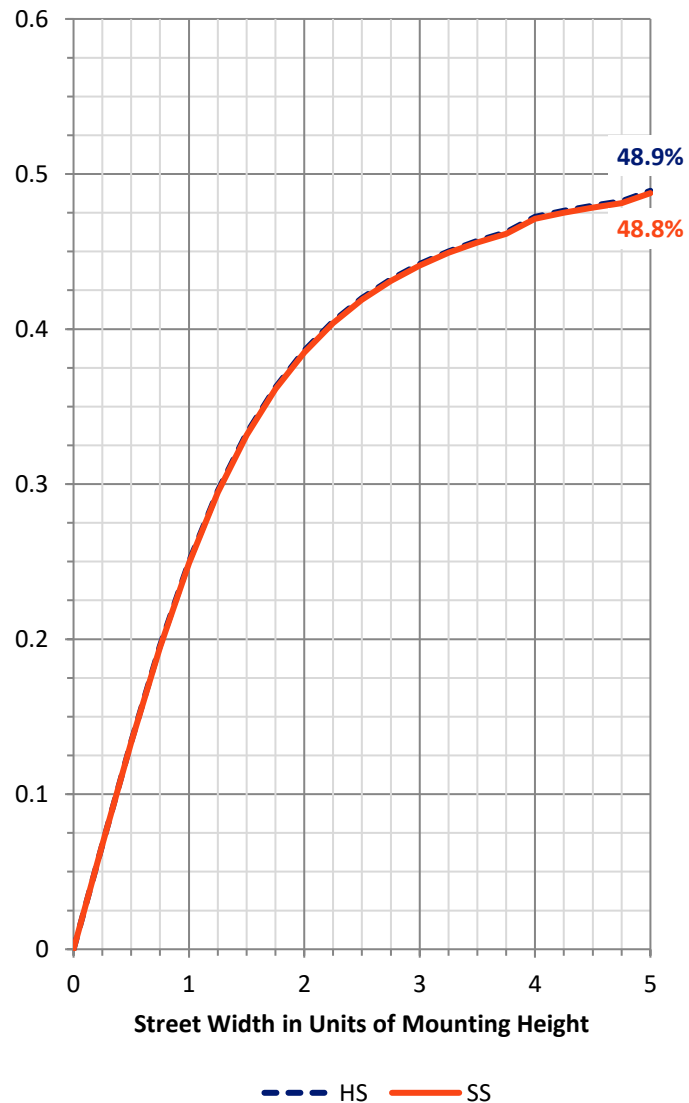
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3514.4	0.0	3514.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3514.4	0.0	3514.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	7028.8	0.0	7028.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.8	0.5
10°-20°	112.0	1.6
20°-30°	237.9	3.4
30°-40°	454.6	6.5
40°-50°	835.7	11.9
50°-60°	1447.3	20.6
60°-70°	1882.9	26.8
70°-80°	1543.1	22.0
80°-90°	482.4	6.9
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°	7028.8	100.0
0°-180°	7028.8	100.0

Coefficient of Utilization



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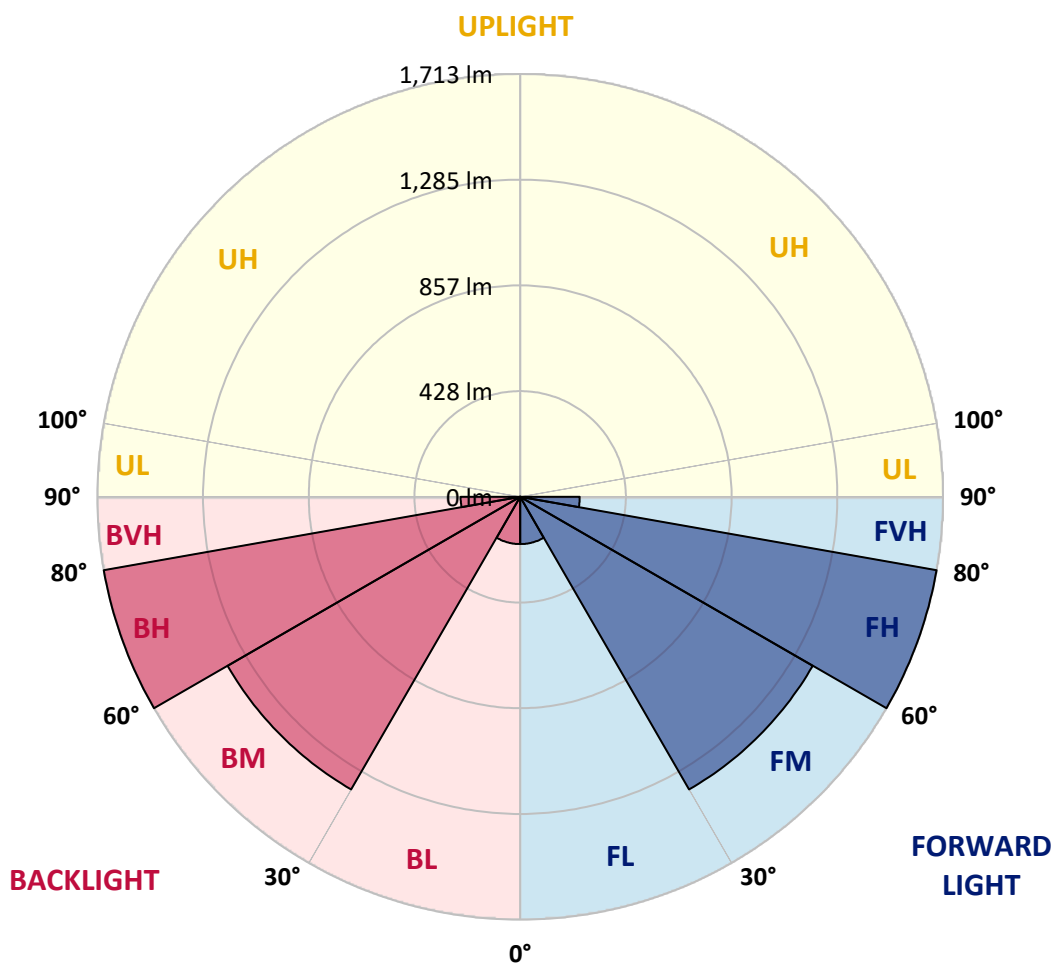
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	191.4	2.7			
FM	(30°-60°)	1368.8	19.5			
FH	(60°-80°)	1713.0	24.4			G1/1800
FVH	(80°-90°)	241.2	3.4			G3/500
BL	(0°-30°)	191.4	2.7	B1/500		
BM	(30°-60°)	1368.8	19.5	B2/2500		
BH	(60°-80°)	1713.0	24.4	B3/2500		G3/2500
BVH	(80°-90°)	241.2	3.4			G3/500
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°	88°
0°	328.4	328.4	328.4	328.4	328.4	328.4	328.4	328.4	328.4	328.4	328.4
2.5°	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4	331.4
5°	337.3	337.3	337.3	338.8	338.8	338.8	338.8	338.8	337.3	337.3	337.3
7.5°	344.7	344.7	346.2	346.2	346.2	346.2	344.7	344.7	343.2	343.2	343.2
10°	356.5	356.5	358.0	358.0	356.5	355.1	355.1	355.1	353.6	353.6	353.6
12.5°	372.8	372.8	374.3	372.8	371.3	369.9	369.9	368.4	366.9	366.9	366.9
15°	395.0	395.0	393.5	390.6	387.6	387.6	383.2	383.2	383.2	383.2	381.7
17.5°	424.6	423.1	417.2	415.7	411.3	408.3	405.4	403.9	402.4	402.4	403.9
20°	457.1	454.2	446.8	446.8	439.4	434.9	432.0	429.0	429.0	427.6	426.1
22.5°	495.6	492.6	483.8	480.8	473.4	466.0	463.1	455.7	454.2	454.2	455.7
25°	534.1	535.6	528.2	522.2	511.9	504.5	494.1	489.7	485.3	485.3	482.3
27.5°	578.5	579.9	571.1	563.7	554.8	540.0	534.1	528.2	523.7	526.7	523.7
30°	625.8	628.8	621.4	612.5	599.2	584.4	577.0	575.5	571.1	574.0	572.5
32.5°	680.5	679.1	674.6	665.7	648.0	636.2	630.2	628.8	631.7	633.2	631.7
35°	744.1	738.2	733.8	720.5	704.2	695.3	689.4	695.3	708.6	717.5	714.6
37.5°	810.7	801.8	797.4	782.6	767.8	763.4	770.8	782.6	795.9	807.8	807.8
40°	865.5	868.4	858.1	844.7	832.9	837.4	850.7	871.4	898.0	909.8	908.4
42.5°	920.2	929.1	918.7	905.4	906.9	920.2	939.4	977.9	1037.1	1054.8	1053.3
45°	969.0	988.3	979.4	970.5	983.8	1006.0	1057.8	1143.6	1225.0	1285.6	1290.1
47.5°	1032.6	1043.0	1038.6	1038.6	1059.3	1111.0	1189.5	1309.3	1395.1	1452.8	1461.7
50°	1105.1	1094.8	1096.3	1109.6	1161.3	1238.3	1344.8	1457.2	1611.1	1637.7	1645.1
52.5°	1165.8	1148.0	1158.4	1183.5	1259.0	1356.6	1489.8	1720.6	1917.3	2094.9	2120.0
55°	1227.9	1207.2	1227.9	1267.9	1378.8	1514.9	1710.2	1978.0	2185.1	2296.1	2309.4
57.5°	1275.3	1272.3	1301.9	1359.6	1495.7	1677.7	1898.1	2127.4	2266.5	2344.9	2356.7
60°	1334.4	1337.4	1371.4	1448.4	1611.1	1785.7	1949.9	2160.0	2297.5	2343.4	2356.7
62.5°	1390.7	1402.5	1442.4	1529.7	1671.7	1804.9	1963.2	2217.7	2392.2	2491.3	2482.5
65°	1443.9	1455.8	1503.1	1562.3	1692.5	1838.9	2103.7	2334.5	2488.4	2597.9	2609.7
67.5°	1497.2	1512.0	1531.2	1578.5	1704.3	1841.9	2071.2	2265.0	2389.3	2464.7	2469.2
70°	1543.0	1541.6	1537.1	1550.4	1628.8	1735.4	1948.4	2102.3	2219.1	2281.3	2296.1
72.5°	1549.0	1544.5	1492.7	1454.3	1479.4	1563.7	1767.9	1890.7	1979.5	2031.2	2041.6
75°	1500.1	1475.0	1372.9	1290.1	1285.6	1369.9	1541.6	1630.3	1683.6	1750.2	1754.6
77.5°	1341.8	1313.7	1199.8	1087.4	1087.4	1142.1	1285.6	1333.0	1399.5	1449.8	1463.1
80°	1081.5	1078.5	960.1	871.4	838.8	884.7	1001.6	1019.3	1069.6	1112.5	1125.8
82.5°	782.6	760.4	695.3	619.9	593.2	622.8	702.7	720.5	739.7	778.2	794.4
85°	473.4	474.9	430.5	387.6	353.6	363.9	426.1	451.2	476.4	501.5	510.4
87.5°	170.1	196.8	153.9	136.1	118.4	112.4	131.7	162.7	190.8	226.4	245.6
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°	328.4
2.5°	331.4
5°	335.8
7.5°	343.2
10°	353.6
12.5°	366.9
15°	381.7
17.5°	400.9
20°	426.1
22.5°	452.7
25°	483.8
27.5°	526.7
30°	571.1
32.5°	631.7
35°	722.0
37.5°	807.8
40°	912.8
42.5°	1059.3
45°	1296.0
47.5°	1460.2
50°	1658.4
52.5°	2099.3
55°	2313.8
57.5°	2359.7
60°	2356.7
62.5°	2506.1
65°	2608.2
67.5°	2472.1
70°	2302.0
72.5°	2037.2
75°	1764.9
77.5°	1470.5
80°	1131.8
82.5°	788.5
85°	531.1
87.5°	219.0
90°	0.0

(END OF REPORT)