

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: P400628

Luminaire Tested: **TT-D3-827-U-RW**

Issue Date: 6/3/2020

Test Information

Test Method: LM-79-08
Report Number: P400628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P197998)
Test Lab: INNOVATION CENTER
Issue Date: 6/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D3-827-U-RW
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
2700K, 80 CRI LEDS AND RECTANGULAR DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4671 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 47.2
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: 28.75 FT



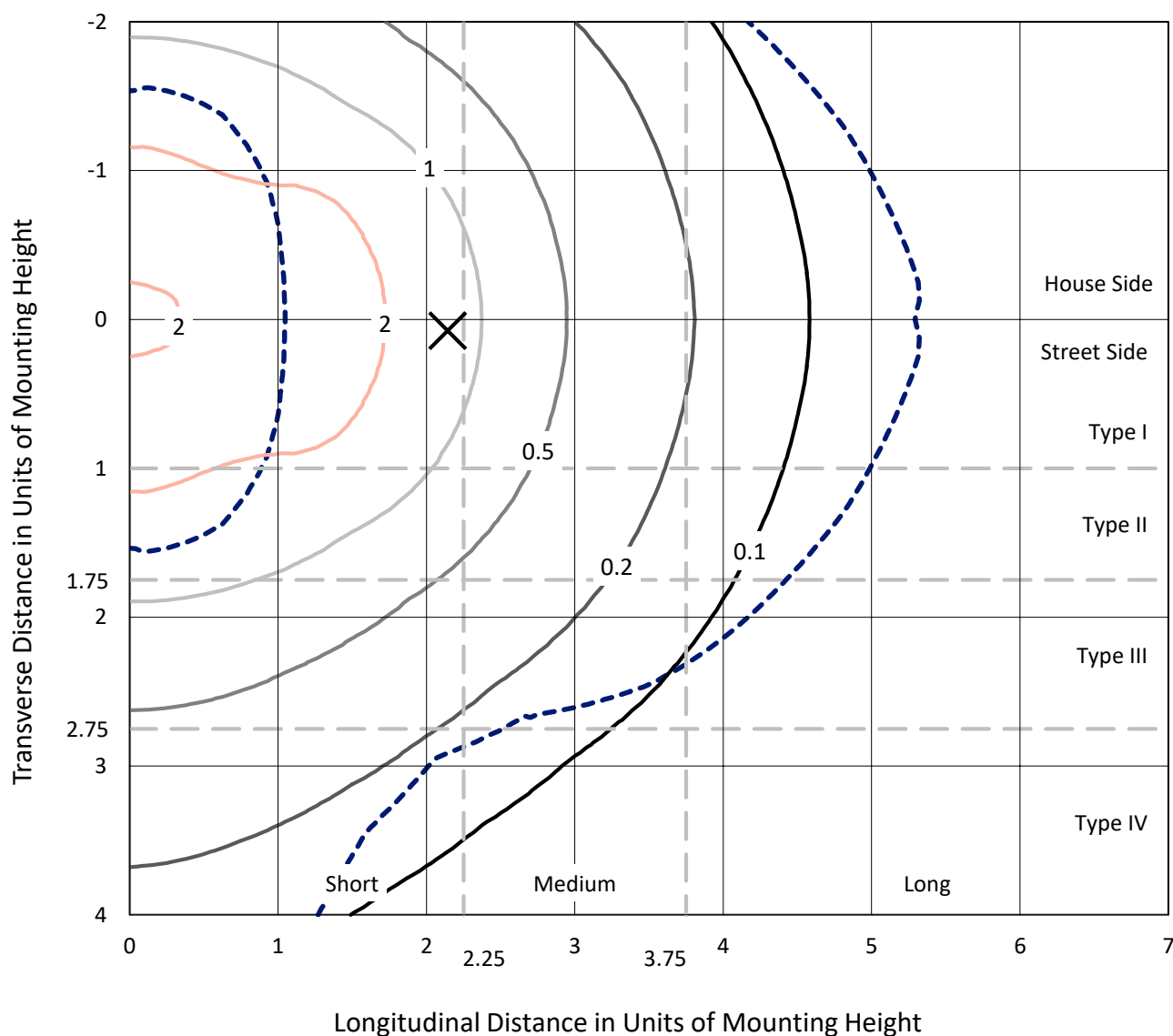
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

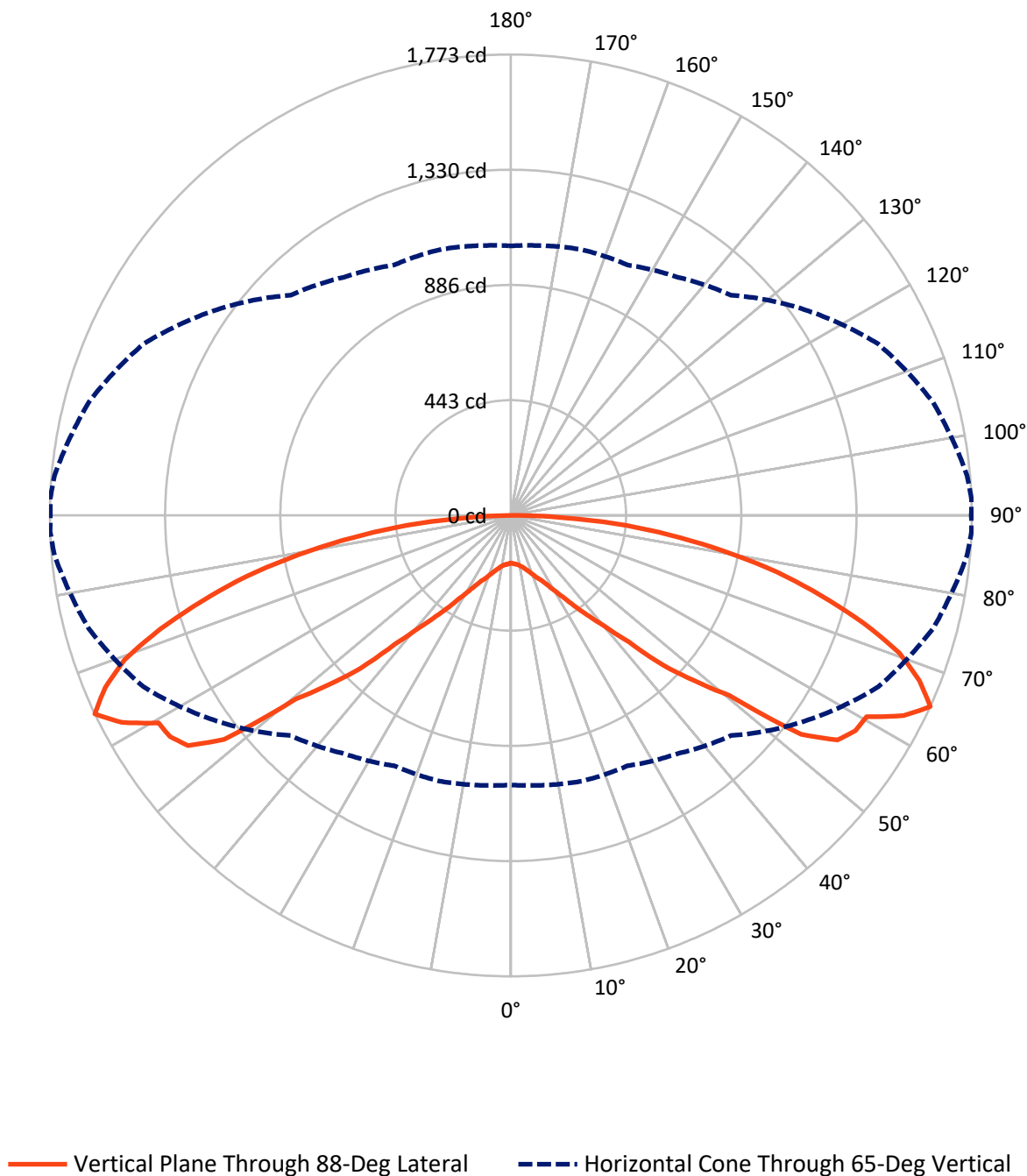


Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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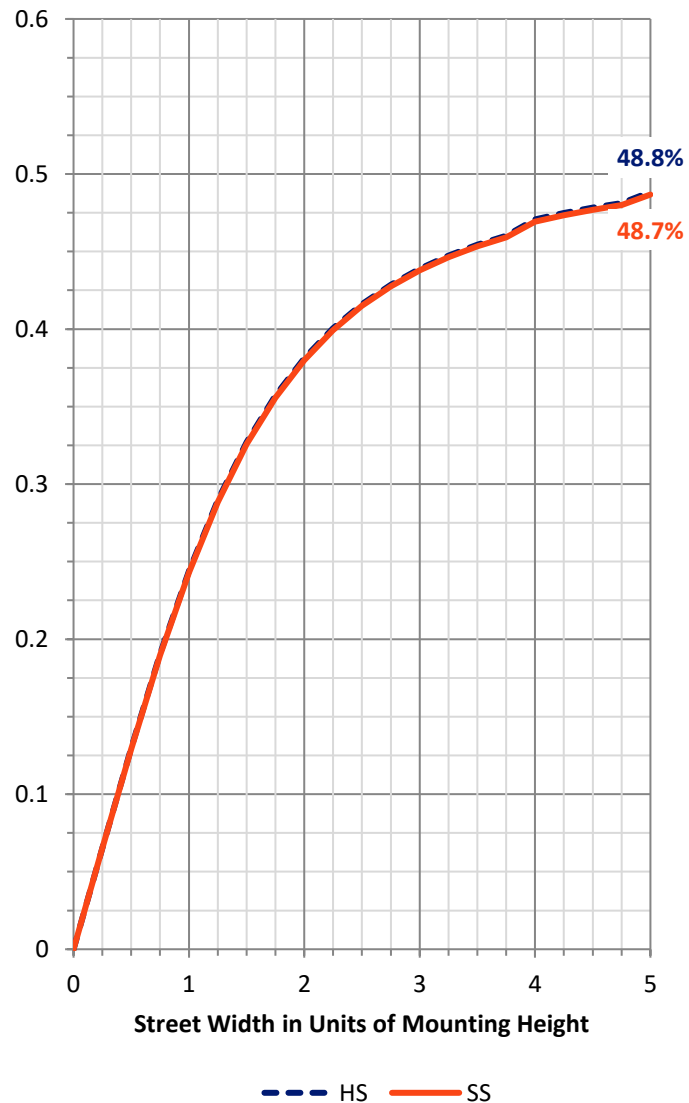
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2335.5	0.0	2335.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2335.5	0.0	2335.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4671.0	0.0	4671.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.3	0.4
10°-20°	63.6	1.4
20°-30°	140.5	3.0
30°-40°	279.9	6.0
40°-50°	535.8	11.5
50°-60°	959.1	20.5
60°-70°	1270.9	27.2
70°-80°	1060.6	22.7
80°-90°	342.2	7.3
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°	4671.0	100.0
0°-180°	4671.0	100.0

Coefficient of Utilization



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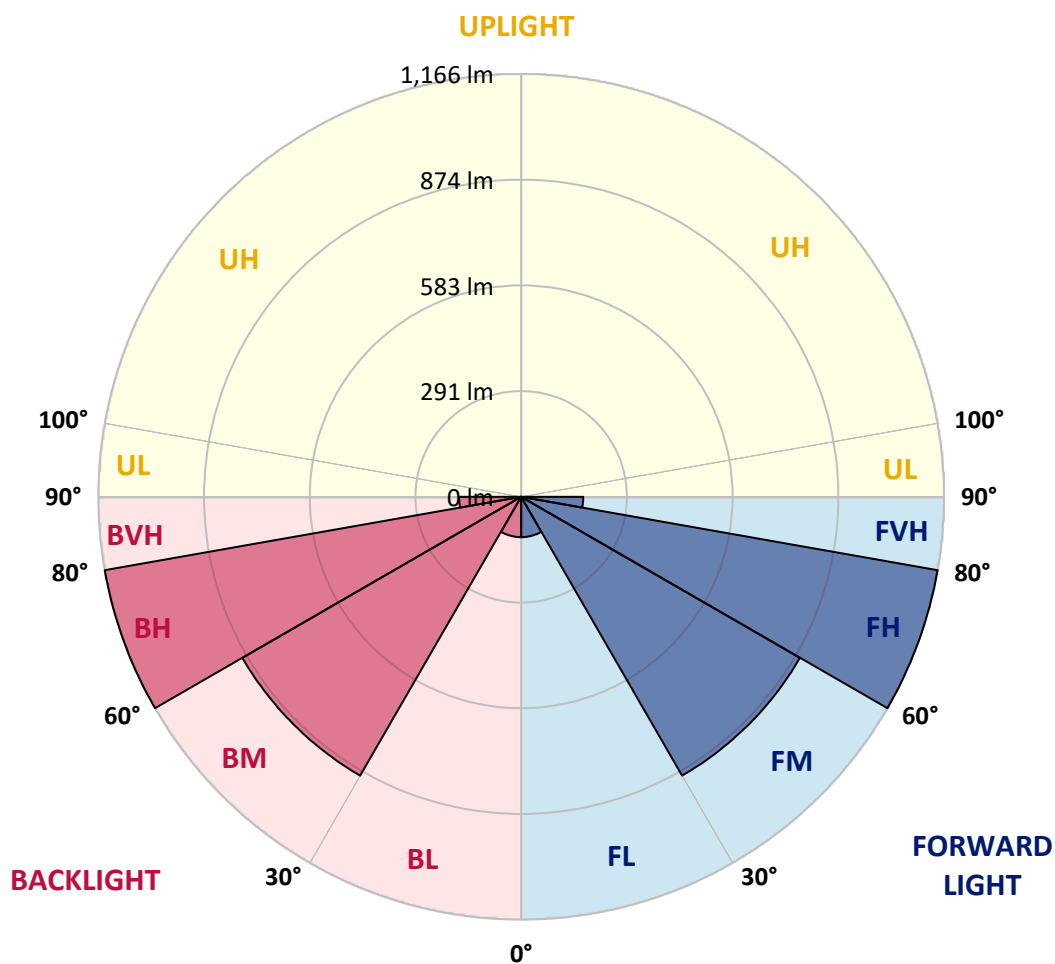
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	111.2	2.4			
FM	(30°-60°)	887.4	19.0			
FH	(60°-80°)	1165.8	25.0			G1/1800
FVH	(80°-90°)	171.1	3.7			G2/225
BL	(0°-30°)	111.2	2.4	B1/500		
BM	(30°-60°)	887.4	19.0	B1/1000		
BH	(60°-80°)	1165.8	25.0	B3/2500		G1/1800
BVH	(80°-90°)	171.1	3.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9	182.9
2.5°	184.7	184.7	184.7	184.7	185.7	185.7	185.7	185.7	185.7	185.7	185.7
5°	187.5	187.5	188.4	188.4	189.3	189.3	189.3	189.3	188.4	188.4	188.4
7.5°	192.1	193.0	193.9	193.9	193.9	193.0	192.1	192.1	191.2	191.2	191.2
10°	200.4	200.4	201.3	201.3	200.4	199.4	198.5	197.6	197.6	197.6	196.7
12.5°	210.5	210.5	211.4	210.5	208.6	207.7	205.9	205.0	205.0	204.0	204.0
15°	224.3	226.1	226.1	223.3	220.6	217.8	216.9	215.1	215.1	215.1	215.1
17.5°	245.4	244.5	240.8	238.0	236.2	231.6	229.8	228.9	227.0	227.0	227.0
20°	269.3	267.5	262.9	259.2	255.5	250.0	246.3	244.5	243.6	242.6	242.6
22.5°	295.9	293.2	286.8	284.0	276.6	271.1	266.5	262.9	260.1	259.2	261.0
25°	323.5	323.5	318.0	310.7	303.3	295.0	288.6	284.0	280.3	279.4	278.5
27.5°	352.9	354.8	347.4	340.1	331.8	320.8	314.3	307.9	307.0	306.1	305.1
30°	384.2	387.9	380.5	373.2	362.1	351.1	342.8	340.1	337.3	339.1	339.1
32.5°	422.8	424.6	416.3	410.8	396.1	385.1	377.7	375.9	376.8	375.9	378.7
35°	467.8	465.1	458.6	447.6	434.7	424.6	419.1	422.8	432.9	436.6	434.7
37.5°	517.4	507.3	503.7	489.9	477.9	469.7	471.5	480.7	489.0	495.4	493.6
40°	554.2	556.1	545.9	533.1	522.0	520.2	530.3	542.3	557.9	563.4	565.2
42.5°	591.9	602.9	591.0	578.1	572.6	576.3	591.0	614.9	649.8	668.2	665.4
45°	635.1	647.0	634.2	624.1	623.1	636.9	669.1	731.6	783.1	819.8	823.5
47.5°	680.1	689.3	677.4	670.9	680.1	706.8	761.9	845.6	900.7	943.9	951.3
50°	737.1	733.4	724.2	723.3	743.5	792.3	866.7	951.3	1050.5	1079.0	1088.2
52.5°	793.2	779.4	777.6	782.1	818.0	873.1	972.4	1138.8	1284.9	1387.8	1398.9
55°	845.6	829.9	833.6	845.6	896.1	979.8	1117.6	1320.7	1448.5	1521.1	1524.8
57.5°	893.4	884.2	892.4	909.0	984.3	1091.9	1238.0	1405.3	1501.8	1553.3	1562.5
60°	942.1	940.2	950.3	980.7	1061.6	1157.1	1279.4	1427.4	1523.9	1563.4	1572.6
62.5°	988.0	994.5	1007.3	1036.7	1099.2	1173.7	1292.2	1473.3	1617.6	1680.1	1695.7
65°	1036.7	1042.3	1057.9	1062.5	1118.5	1197.6	1379.6	1559.7	1681.0	1761.9	1772.9
67.5°	1080.9	1088.2	1082.7	1079.0	1127.7	1197.6	1362.1	1520.2	1621.3	1682.9	1694.8
70°	1123.1	1114.9	1092.8	1064.3	1078.1	1125.9	1276.6	1413.6	1515.6	1573.5	1585.4
72.5°	1134.2	1123.1	1064.3	999.1	978.8	1014.7	1153.5	1274.8	1358.4	1412.6	1420.0
75°	1105.7	1082.7	983.4	893.4	854.8	890.6	1006.4	1110.3	1169.1	1227.9	1232.5
77.5°	991.7	977.0	866.7	757.3	714.1	740.8	837.3	910.8	978.8	1035.8	1046.8
80°	814.3	801.4	704.0	614.9	557.0	575.4	646.1	704.9	770.2	815.2	829.0
82.5°	599.2	597.4	527.6	443.9	403.5	401.6	455.0	512.9	562.5	605.7	614.9
85°	376.8	376.8	329.0	278.5	236.2	237.1	269.3	311.6	374.1	401.6	404.4
87.5°	127.8	121.3	113.0	91.9	73.5	66.2	70.8	80.9	123.2	152.6	158.1
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):

	90°
0°	182.9
2.5°	185.7
5°	188.4
7.5°	191.2
10°	196.7
12.5°	205.0
15°	214.1
17.5°	227.0
20°	242.6
22.5°	260.1
25°	278.5
27.5°	306.1
30°	338.2
32.5°	377.7
35°	435.7
37.5°	495.4
40°	569.8
42.5°	672.8
45°	814.3
47.5°	951.3
50°	1078.1
52.5°	1375.9
55°	1528.5
57.5°	1561.5
60°	1569.8
62.5°	1687.5
65°	1771.1
67.5°	1693.9
70°	1582.7
72.5°	1414.5
75°	1239.9
77.5°	1046.8
80°	818.0
82.5°	614.9
85°	398.0
87.5°	153.5
90°	0.0

(END OF REPORT)