

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: P198012

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198012
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34691)
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-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9800.5 lumens
Efficiency: N/A
Efficacy: 90.7 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



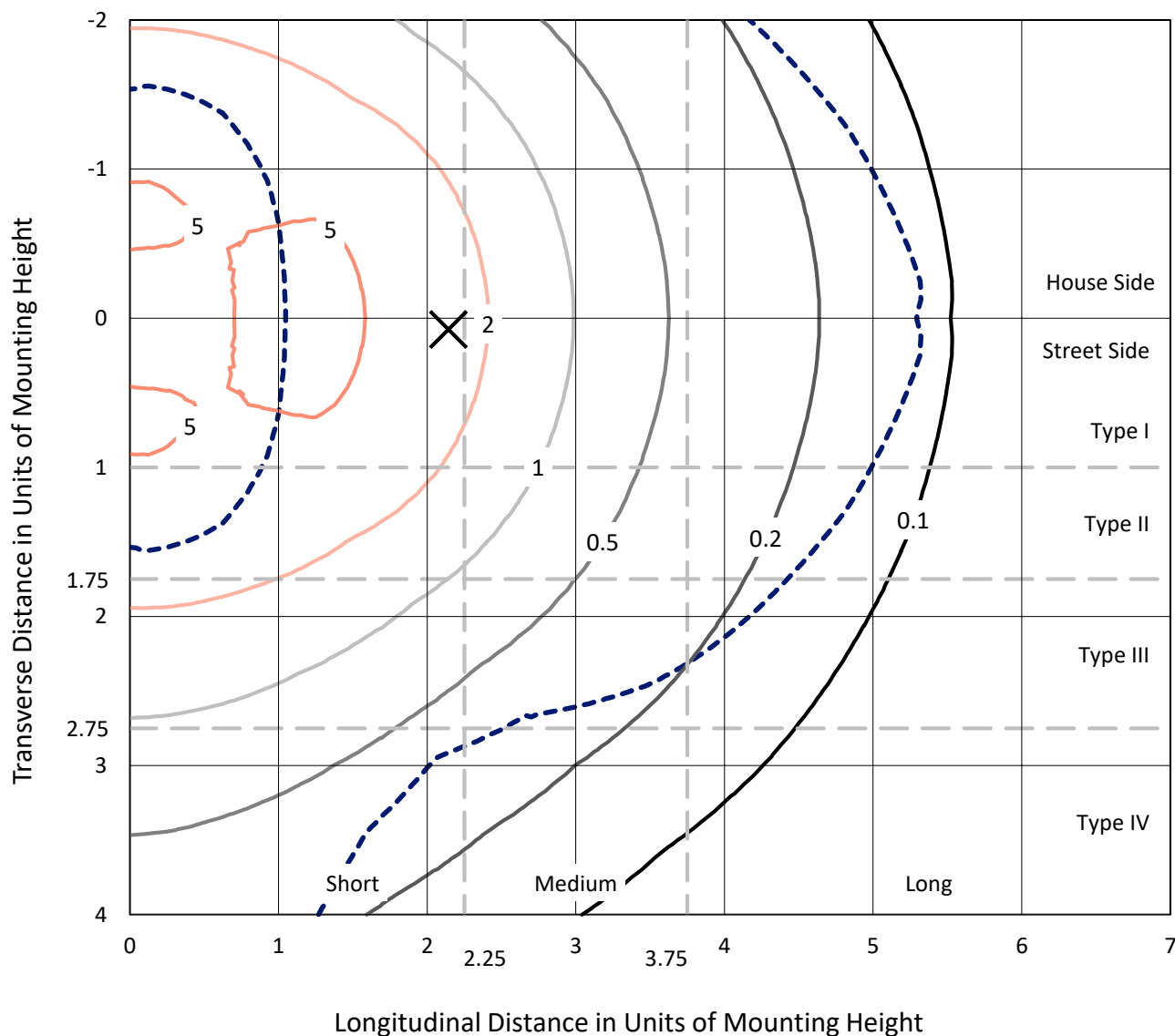
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

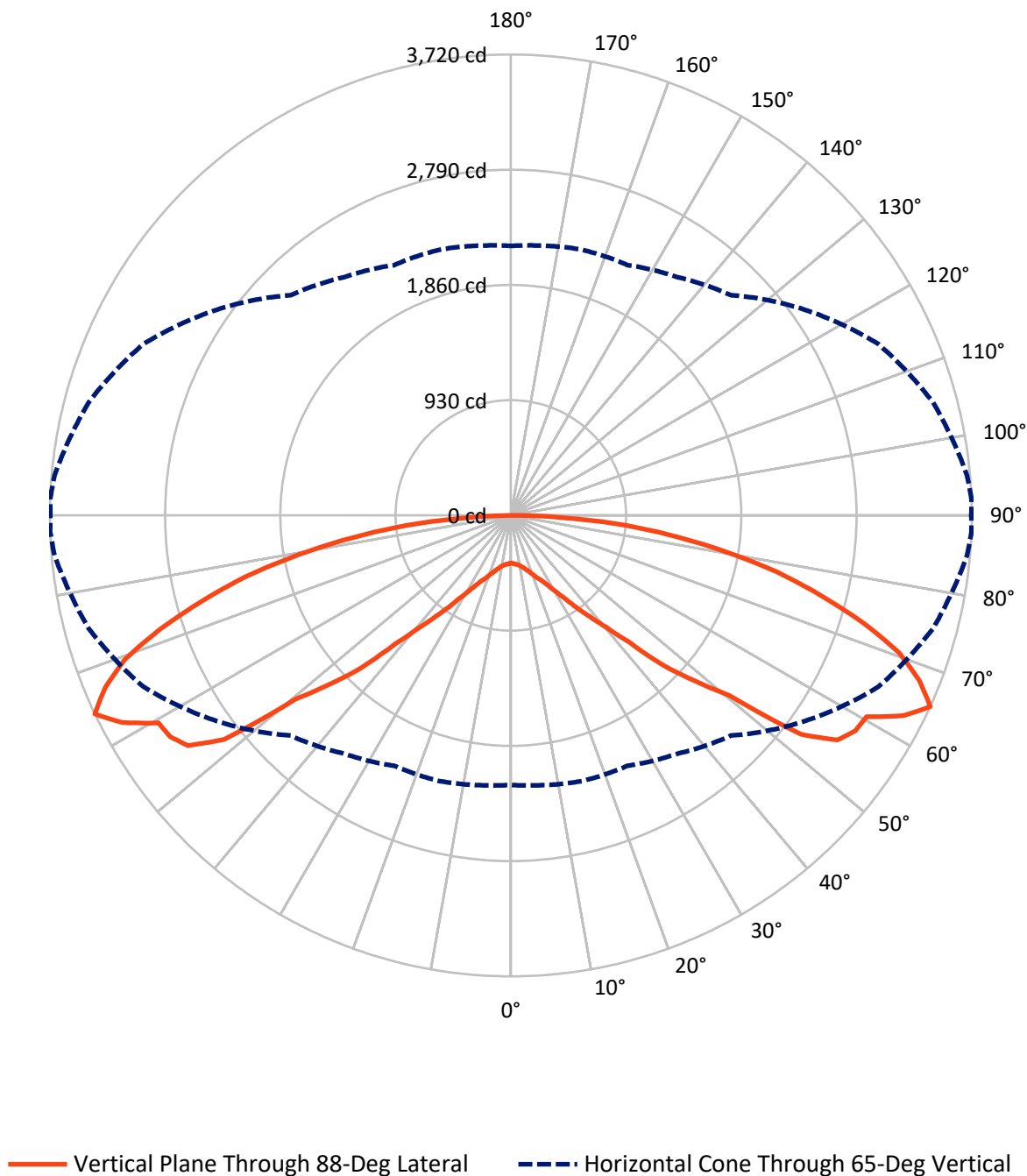


Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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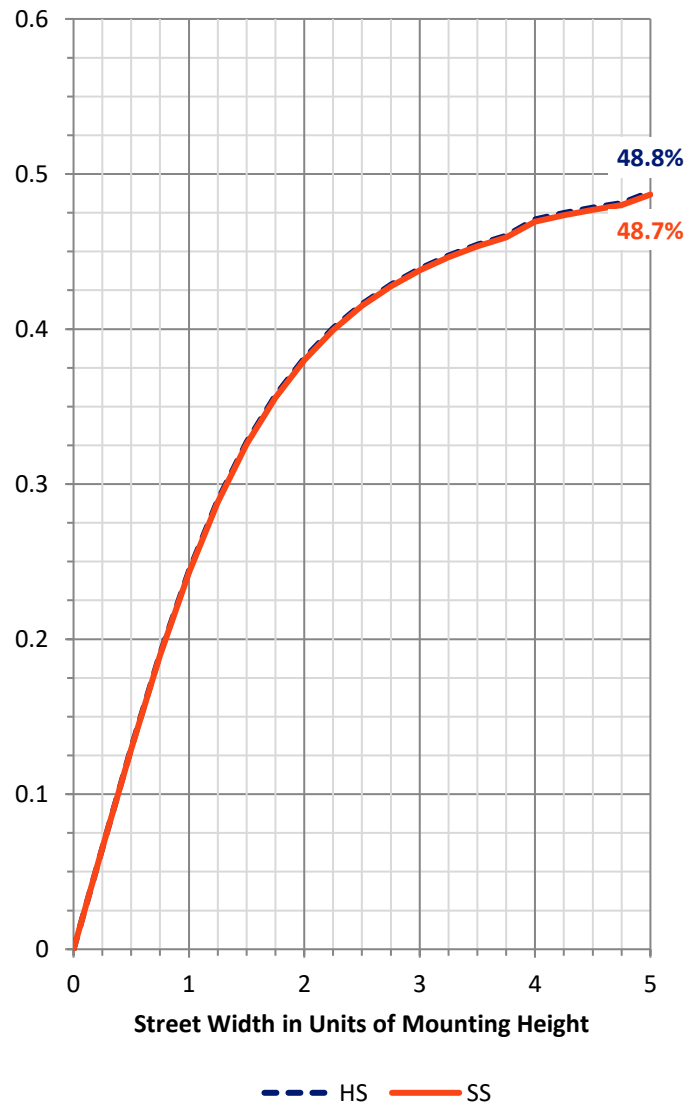
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4900.2	0.0	4900.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4900.2	0.0	4900.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	9800.5	0.0	9800.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.4	0.4
10°-20°	133.5	1.4
20°-30°	294.7	3.0
30°-40°	587.3	6.0
40°-50°	1124.3	11.5
50°-60°	2012.3	20.5
60°-70°	2666.6	27.2
70°-80°	2225.3	22.7
80°-90°	718.0	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°	9800.5	100.0
0°-180°	9800.5	100.0

Coefficient of Utilization



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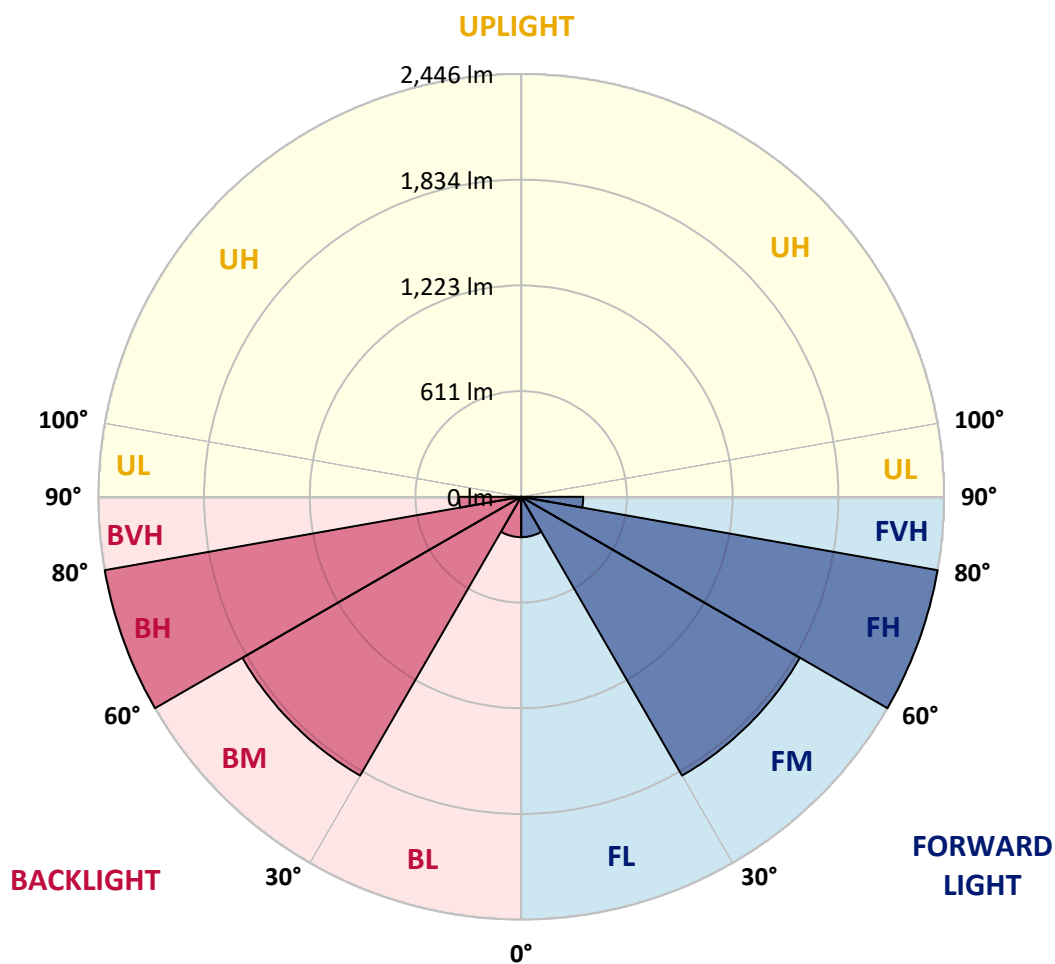
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	233.3	2.4			
FM	(30°-60°)	1862.0	19.0			
FH	(60°-80°)	2446.0	25.0			G2/5000
FVH	(80°-90°)	359.0	3.7			G3/500
BL	(0°-30°)	233.3	2.4	B1/500		
BM	(30°-60°)	1862.0	19.0	B2/2500		
BH	(60°-80°)	2446.0	25.0	B3/2500		G3/2500
BVH	(80°-90°)	359.0	3.7			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°	383.8	383.8	383.8	383.8	383.8	383.8	383.8	383.8	383.8	383.8	383.8
2.5°	387.6	387.6	387.6	387.6	389.5	389.5	389.5	389.5	389.5	389.5	389.5
5°	393.4	393.4	395.3	395.3	397.3	397.3	397.3	397.3	395.3	395.3	395.3
7.5°	403.0	405.0	406.9	406.9	406.9	405.0	403.0	403.0	401.1	401.1	401.1
10°	420.4	420.4	422.3	422.3	420.4	418.5	416.5	414.6	414.6	414.6	412.7
12.5°	441.6	441.6	443.5	441.6	437.7	435.8	432.0	430.0	430.0	428.1	428.1
15°	470.5	474.4	474.4	468.6	462.8	457.0	455.1	451.2	451.2	451.2	451.2
17.5°	514.9	513.0	505.2	499.5	495.6	486.0	482.1	480.2	476.3	476.3	476.3
20°	565.0	561.2	551.5	543.8	536.1	524.5	516.8	513.0	511.0	509.1	509.1
22.5°	620.9	615.2	601.7	595.9	580.4	568.9	559.2	551.5	545.7	543.8	547.7
25°	678.8	678.8	667.2	651.8	636.4	619.0	605.5	595.9	588.2	586.2	584.3
27.5°	740.5	744.4	728.9	713.5	696.2	673.0	659.5	646.0	644.1	642.2	640.2
30°	806.1	813.8	798.4	782.9	759.8	736.6	719.3	713.5	707.7	711.6	711.6
32.5°	887.1	890.9	873.6	862.0	831.1	808.0	792.6	788.7	790.6	788.7	794.5
35°	981.6	975.8	962.3	939.1	912.1	890.9	879.4	887.1	908.3	916.0	912.1
37.5°	1085.7	1064.5	1056.8	1027.8	1002.8	985.4	989.3	1008.6	1025.9	1039.4	1035.6
40°	1162.8	1166.7	1145.5	1118.5	1095.3	1091.5	1112.7	1137.8	1170.5	1182.1	1186.0
42.5°	1241.9	1265.0	1240.0	1213.0	1201.4	1209.1	1240.0	1290.1	1363.4	1401.9	1396.2
45°	1332.5	1357.6	1330.6	1309.4	1307.5	1336.4	1403.9	1535.0	1643.0	1720.1	1727.8
47.5°	1427.0	1446.3	1421.2	1407.7	1427.0	1482.9	1598.6	1774.1	1889.8	1980.5	1995.9
50°	1546.6	1538.9	1519.6	1517.7	1560.1	1662.3	1818.5	1995.9	2204.2	2263.9	2283.2
52.5°	1664.2	1635.3	1631.4	1641.1	1716.3	1832.0	2040.3	2389.3	2695.9	2911.9	2935.0
55°	1774.1	1741.3	1749.1	1774.1	1880.2	2055.7	2344.9	2771.1	3039.2	3191.5	3199.2
57.5°	1874.4	1855.1	1872.5	1907.2	2065.3	2290.9	2597.6	2948.5	3151.0	3259.0	3278.3
60°	1976.6	1972.8	1994.0	2057.6	2227.3	2427.9	2684.3	2994.8	3197.3	3280.2	3299.5
62.5°	2073.0	2086.5	2113.5	2175.2	2306.4	2462.6	2711.3	3091.2	3394.0	3525.1	3557.9
65°	2175.2	2186.8	2219.6	2229.2	2346.9	2512.7	2894.5	3272.5	3527.0	3696.7	3719.9
67.5°	2267.8	2283.2	2271.7	2263.9	2366.2	2512.7	2857.9	3189.6	3401.7	3530.9	3556.0
70°	2356.5	2339.2	2292.9	2233.1	2262.0	2362.3	2678.6	2965.9	3179.9	3301.4	3326.5
72.5°	2379.6	2356.5	2233.1	2096.2	2053.7	2129.0	2420.1	2674.7	2850.2	2964.0	2979.4
75°	2319.9	2271.7	2063.4	1874.4	1793.4	1868.6	2111.6	2329.5	2452.9	2576.3	2586.0
77.5°	2080.7	2049.9	1818.5	1589.0	1498.4	1554.3	1756.8	1911.0	2053.7	2173.3	2196.5
80°	1708.6	1681.6	1477.2	1290.1	1168.6	1207.2	1355.7	1479.1	1616.0	1710.5	1739.4
82.5°	1257.3	1253.5	1106.9	931.4	846.6	842.7	954.6	1076.0	1180.2	1270.8	1290.1
85°	790.6	790.6	690.4	584.3	495.6	497.5	565.0	653.7	784.9	842.7	848.5
87.5°	268.0	254.5	237.2	192.8	154.3	138.8	148.5	169.7	258.4	320.1	331.7
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°	383.8
2.5°	389.5
5°	395.3
7.5°	401.1
10°	412.7
12.5°	430.0
15°	449.3
17.5°	476.3
20°	509.1
22.5°	545.7
25°	584.3
27.5°	642.2
30°	709.7
32.5°	792.6
35°	914.1
37.5°	1039.4
40°	1195.6
42.5°	1411.6
45°	1708.6
47.5°	1995.9
50°	2262.0
52.5°	2886.8
55°	3206.9
57.5°	3276.4
60°	3293.7
62.5°	3540.5
65°	3716.0
67.5°	3554.0
70°	3320.7
72.5°	2967.8
75°	2601.4
77.5°	2196.5
80°	1716.3
82.5°	1290.1
85°	835.0
87.5°	322.0
90°	0.0

(END OF REPORT)