

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: INVUE

Report Number: P180206

Luminaire Tested: **ICM-E06-LED-E1-5XQ-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180206
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E06-LED-E1-5XQ-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14981.7 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G3

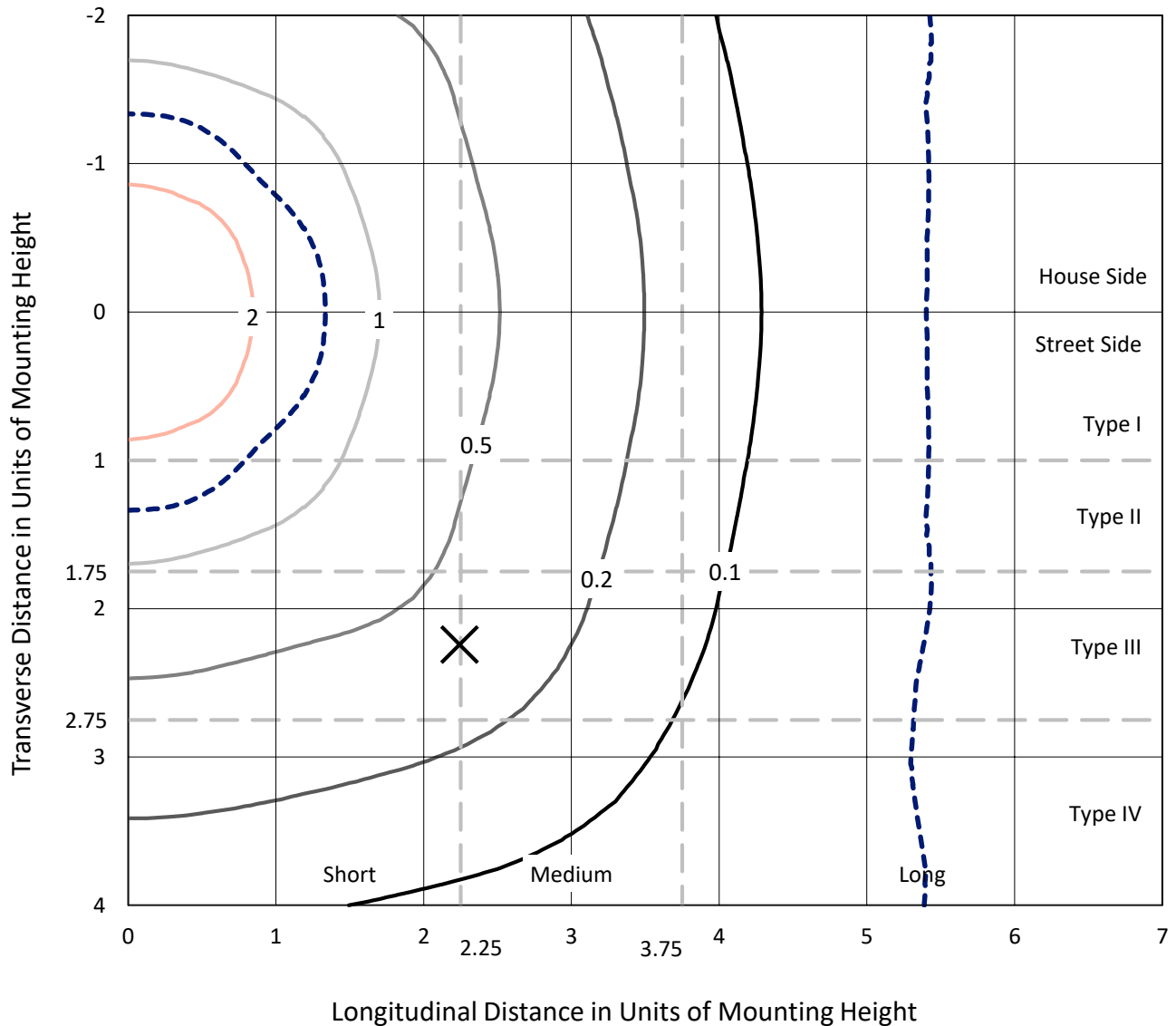
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

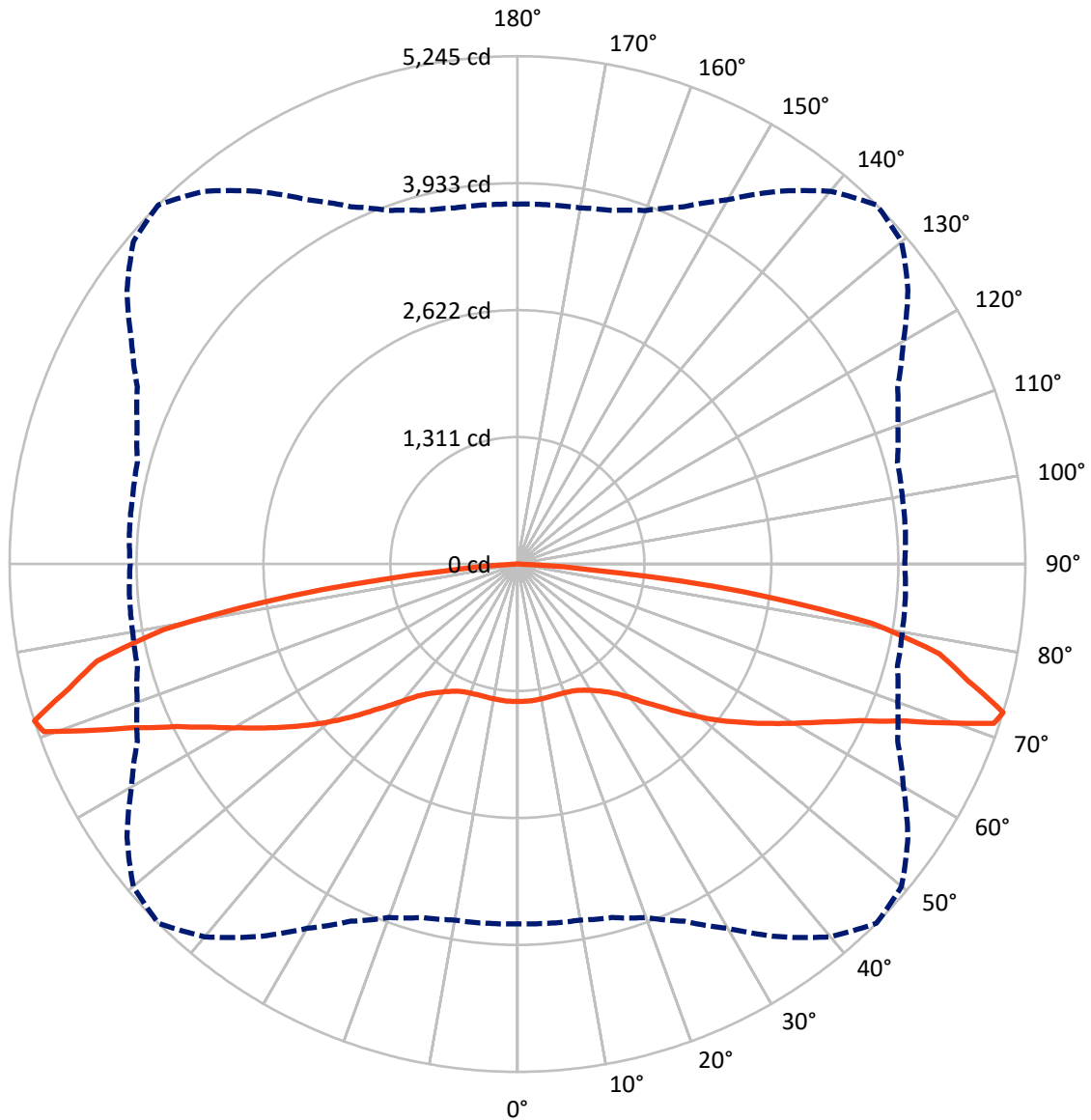
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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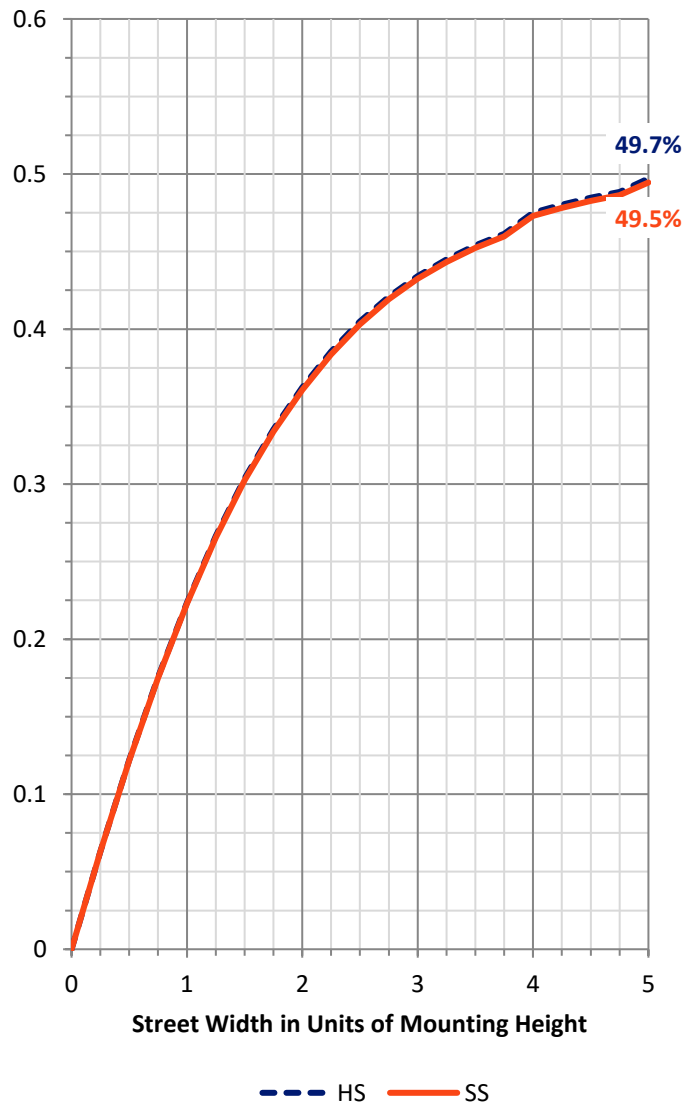
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7490.9	0.0	7490.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7490.9	0.0	7490.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	14981.7	0.0	14981.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.3	0.9
10°-20°	400.2	2.7
20°-30°	670.1	4.5
30°-40°	1021.6	6.8
40°-50°	1631.3	10.9
50°-60°	2508.2	16.7
60°-70°	3651.9	24.4
70°-80°	4113.9	27.5
80°-90°	849.2	5.7
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°	14981.7	100.0
0°-180°	14981.7	100.0



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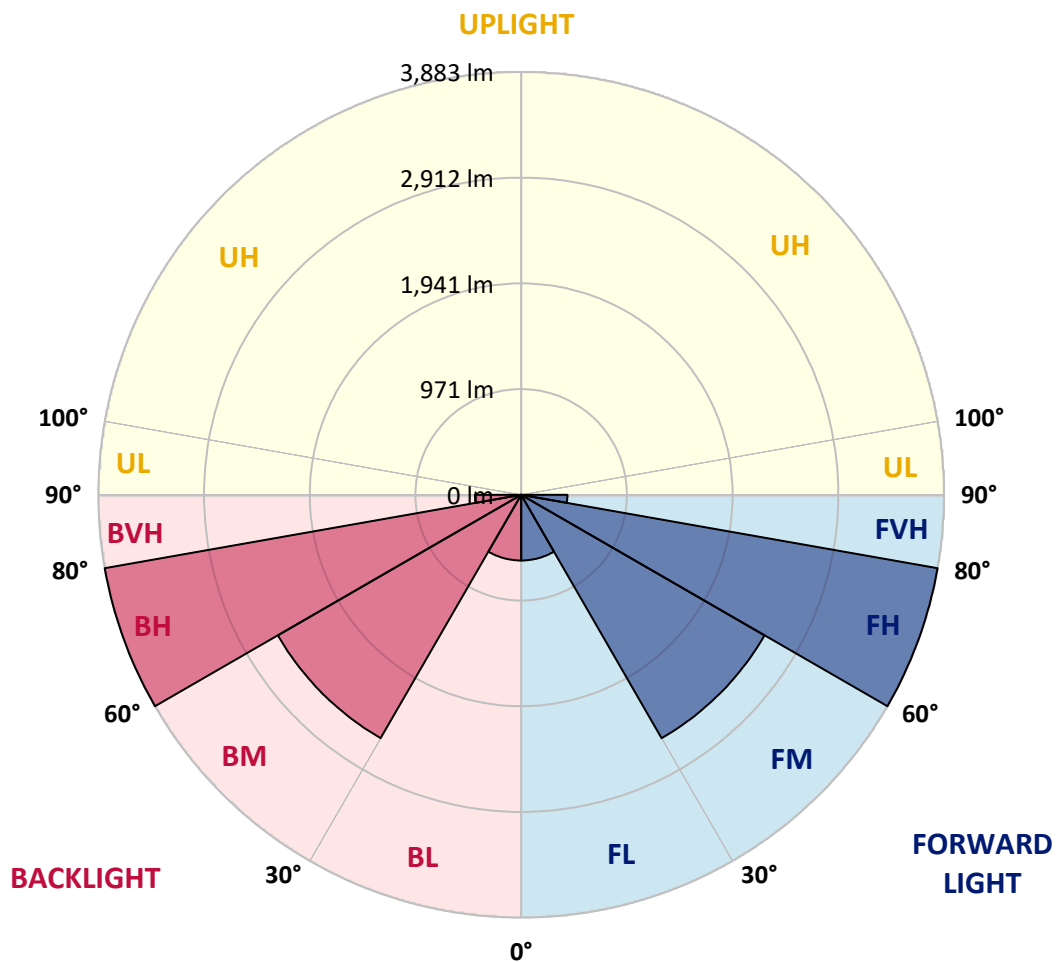
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	602.8	4.0			
FM	(30°-60°)	2580.5	17.2			
FH	(60°-80°)	3882.9	25.9			G2/5000
FVH	(80°-90°)	424.6	2.8			G3/500
BL	(0°-30°)	602.8	4.0	B2/1000		
BM	(30°-60°)	2580.5	17.2	B3/5000		
BH	(60°-80°)	3882.9	25.9	B4/5000		G2/5000
BVH	(80°-90°)	424.6	2.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5
2.5°	1421.9	1422.6	1422.2	1421.5	1421.9	1421.5	1420.7	1420.3	1417.5	1419.1	1421.4
5°	1421.9	1421.0	1420.7	1420.3	1420.3	1421.4	1420.3	1419.1	1418.7	1419.5	1418.3
7.5°	1421.0	1419.5	1418.7	1418.3	1418.7	1419.1	1417.9	1416.4	1417.5	1416.4	1414.8
10°	1418.7	1417.5	1417.9	1416.4	1416.8	1416.4	1414.8	1413.6	1414.3	1413.2	1411.3
12.5°	1419.5	1417.5	1417.1	1416.4	1416.0	1415.5	1413.6	1411.6	1412.0	1411.3	1409.3
15°	1419.5	1418.3	1417.9	1416.4	1416.0	1415.2	1412.8	1412.0	1412.0	1410.8	1408.5
17.5°	1420.3	1419.5	1419.5	1417.5	1416.8	1416.4	1413.6	1412.4	1413.6	1411.3	1409.7
20°	1422.6	1421.8	1422.2	1421.0	1419.5	1419.5	1417.5	1416.8	1417.1	1416.8	1412.4
22.5°	1427.4	1427.4	1428.1	1427.7	1427.4	1427.7	1426.1	1426.1	1426.5	1426.5	1423.0
25°	1440.7	1440.3	1441.1	1441.0	1441.4	1444.2	1443.0	1442.6	1444.7	1444.7	1441.1
27.5°	1465.9	1465.0	1465.8	1466.6	1468.6	1472.1	1471.4	1472.5	1475.6	1474.8	1471.6
30°	1494.9	1494.1	1496.0	1498.4	1499.9	1505.5	1503.1	1509.0	1511.7	1514.1	1511.7
32.5°	1537.2	1537.2	1540.8	1542.3	1545.9	1551.4	1552.2	1556.8	1560.4	1564.3	1561.6
35°	1593.8	1592.9	1595.7	1598.5	1602.8	1607.9	1609.9	1616.2	1621.6	1624.4	1619.3
37.5°	1680.2	1675.8	1680.9	1682.5	1686.1	1687.2	1692.8	1700.6	1706.4	1705.7	1702.1
40°	1797.1	1796.3	1794.4	1792.0	1797.5	1799.5	1799.5	1810.1	1819.5	1818.0	1817.5
42.5°	1933.8	1930.2	1927.8	1927.8	1931.0	1931.7	1943.9	1951.7	1958.5	1960.0	1958.5
45°	2080.6	2077.0	2077.8	2076.2	2077.4	2082.5	2089.6	2104.1	2116.7	2117.0	2110.3
47.5°	2238.3	2227.4	2236.0	2223.8	2231.3	2235.2	2252.9	2274.1	2296.1	2300.0	2294.1
50°	2398.5	2397.3	2396.6	2394.2	2397.8	2406.3	2427.9	2461.3	2482.5	2496.7	2487.3
52.5°	2573.6	2567.7	2564.9	2561.0	2564.6	2581.4	2611.7	2640.8	2678.8	2694.9	2682.0
55°	2744.0	2742.0	2731.8	2731.4	2738.8	2765.1	2798.2	2833.9	2875.1	2893.1	2888.4
57.5°	2919.1	2907.6	2904.6	2899.7	2914.7	2939.5	2979.9	3044.3	3087.1	3107.5	3095.6
60°	3090.3	3081.6	3074.9	3073.3	3083.6	3118.1	3176.2	3253.5	3306.5	3333.2	3314.3
62.5°	3273.9	3268.4	3260.6	3251.6	3273.1	3317.5	3389.7	3475.3	3553.4	3586.3	3557.8
65°	3502.3	3491.0	3482.3	3471.0	3488.7	3544.4	3635.1	3755.6	3860.4	3898.8	3878.4
67.5°	3743.5	3732.9	3733.6	3726.5	3758.0	3835.3	3952.3	4115.9	4256.5	4322.1	4283.6
70°	3953.9	3959.7	3961.3	3990.0	4044.1	4161.9	4356.6	4613.0	4826.1	4926.2	4885.0
71°	3891.7	3904.8	3924.8	3954.6	4048.0	4187.4	4453.1	4763.7	5018.1	5187.7	5130.7
72.5°	3715.9	3723.7	3734.0	3779.6	3885.1	4069.6	4343.3	4698.1	5025.1	5244.6	5178.6
75°	3461.6	3469.0	3472.6	3504.4	3600.5	3761.5	4011.9	4326.7	4615.3	4802.2	4783.7
77.5°	3077.6	3078.8	3106.3	3155.4	3263.3	3447.5	3711.3	4037.8	4309.0	4454.4	4362.1
80°	2210.2	2195.2	2223.5	2286.6	2420.1	2631.3	2901.4	3274.3	3575.5	3711.3	3568.3
82.5°	840.8	886.4	958.2	1062.7	1107.8	1342.5	1594.6	1813.6	2067.2	2350.6	2279.5
85°	90.3	101.7	127.6	158.2	199.8	276.4	382.0	521.3	642.6	755.3	670.5
87.5°	33.8	34.5	38.5	44.4	45.2	47.1	50.2	58.5	54.5	47.2	38.0
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°	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5
2.5°	1419.5	1419.9	1419.5	1419.9	1419.9	1418.3	1418.7	1417.9
5°	1419.1	1417.9	1418.3	1418.7	1418.3	1419.1	1417.9	1418.7
7.5°	1417.1	1414.8	1415.5	1415.5	1414.7	1415.9	1415.2	1414.7
10°	1413.2	1410.1	1411.6	1410.8	1410.4	1410.8	1410.8	1410.8
12.5°	1409.7	1407.7	1408.1	1407.7	1407.4	1408.5	1408.1	1408.6
15°	1408.8	1405.7	1405.4	1404.6	1404.9	1405.7	1405.8	1406.9
17.5°	1408.1	1404.2	1403.8	1403.0	1403.4	1404.9	1405.4	1404.6
20°	1410.4	1407.3	1406.5	1405.7	1405.3	1407.3	1406.9	1406.9
22.5°	1421.4	1417.5	1417.1	1414.0	1412.8	1414.0	1413.2	1413.2
25°	1439.1	1434.4	1432.8	1428.5	1425.4	1425.4	1424.2	1423.5
27.5°	1470.9	1463.8	1462.3	1458.7	1454.4	1455.2	1452.8	1452.5
30°	1507.8	1501.5	1496.0	1491.0	1485.8	1483.8	1481.1	1480.8
32.5°	1556.1	1549.0	1542.3	1536.1	1529.0	1526.2	1521.5	1519.2
35°	1615.4	1606.0	1598.1	1593.8	1586.7	1583.2	1580.0	1583.5
37.5°	1698.2	1686.8	1682.9	1677.8	1673.1	1667.5	1668.8	1667.5
40°	1812.8	1802.6	1798.7	1789.7	1788.5	1782.2	1786.2	1782.2
42.5°	1954.5	1935.6	1932.9	1925.9	1923.5	1920.0	1921.6	1918.8
45°	2108.9	2091.9	2088.8	2077.4	2077.8	2069.6	2072.7	2072.7
47.5°	2282.3	2264.7	2250.2	2241.9	2238.7	2233.6	2236.4	2236.0
50°	2461.3	2437.4	2421.2	2405.2	2398.2	2400.1	2394.6	2404.0
52.5°	2653.7	2618.0	2595.2	2579.9	2566.5	2569.3	2570.1	2572.9
55°	2852.7	2807.2	2774.2	2754.2	2742.0	2742.8	2746.2	2749.4
57.5°	3052.9	2995.9	2951.3	2921.4	2913.5	2917.1	2917.0	2916.7
60°	3260.6	3192.3	3134.5	3100.8	3093.8	3091.7	3107.1	3102.0
62.5°	3483.6	3401.5	3341.8	3298.6	3288.4	3295.5	3309.2	3306.1
65°	3779.2	3665.7	3588.8	3546.0	3528.7	3535.7	3554.3	3553.4
67.5°	4160.3	4001.7	3900.0	3845.0	3832.5	3841.1	3851.4	3861.2
70°	4730.3	4503.7	4358.5	4239.6	4188.6	4178.8	4189.0	4189.4
71°	4930.9	4670.6	4439.5	4294.2	4210.5	4175.2	4178.0	4160.3
72.5°	4922.6	4602.0	4331.5	4179.6	4063.3	4035.1	4021.3	4000.1
75°	4590.9	4302.0	4067.3	3901.6	3789.7	3756.4	3732.0	3730.8
77.5°	4163.4	3950.3	3691.6	3516.1	3379.9	3324.6	3299.8	3299.0
80°	3346.9	3027.7	2838.5	2733.0	2568.5	2521.0	2470.7	2451.9
82.5°	2024.0	1581.6	1286.1	1142.7	1063.4	875.8	785.9	743.4
85°	471.4	334.9	230.8	151.5	109.1	86.7	66.7	58.9
87.5°	31.8	25.1	22.4	18.0	13.8	13.4	8.3	7.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)