

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: P594789

Luminaire Tested: **ISS-PA1E-730-U-T3-HSS**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/22/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: ISS-PA1E-730-U-T3-HSS
Description: IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7223 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

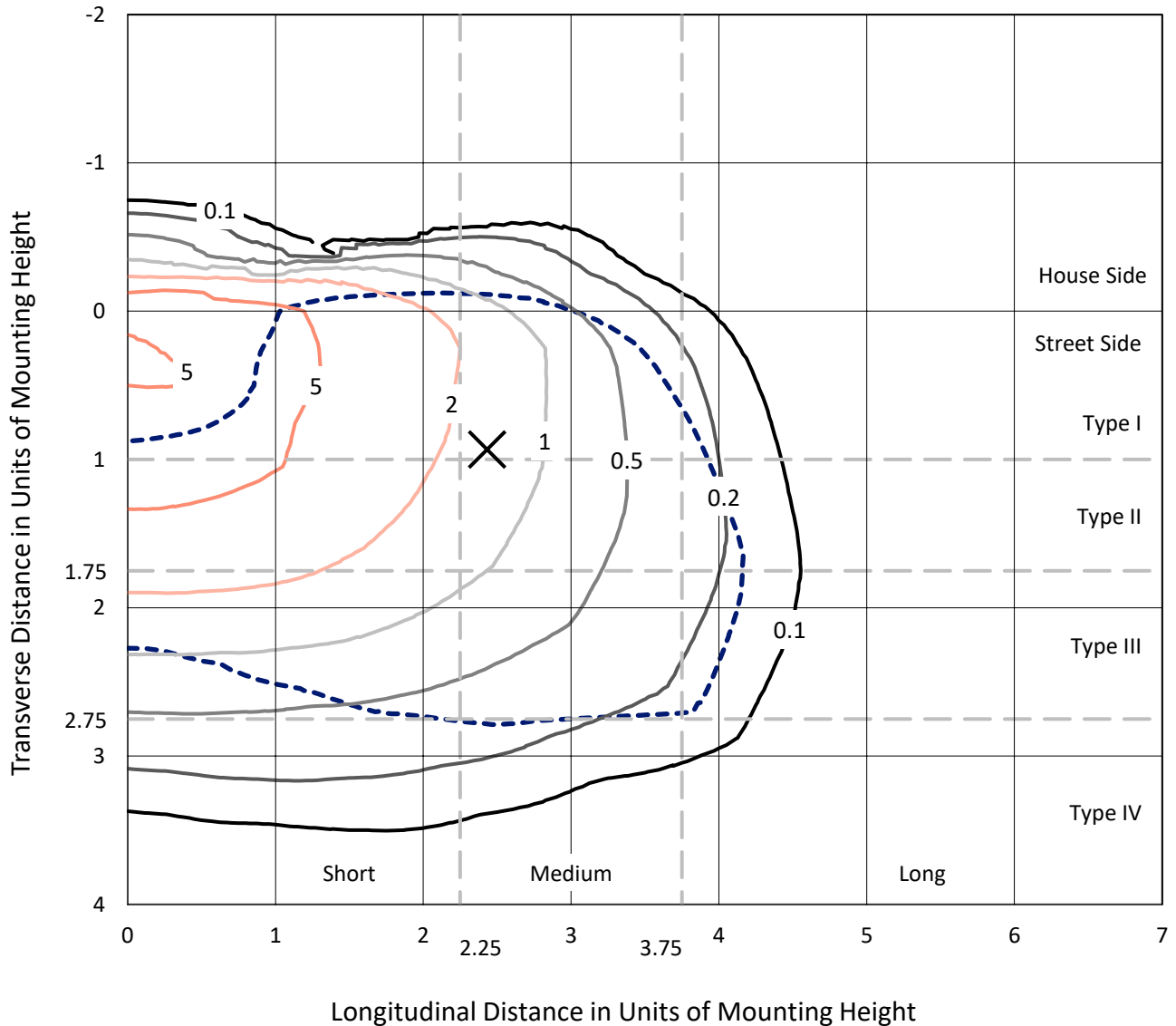
Input Watts (W): 82.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

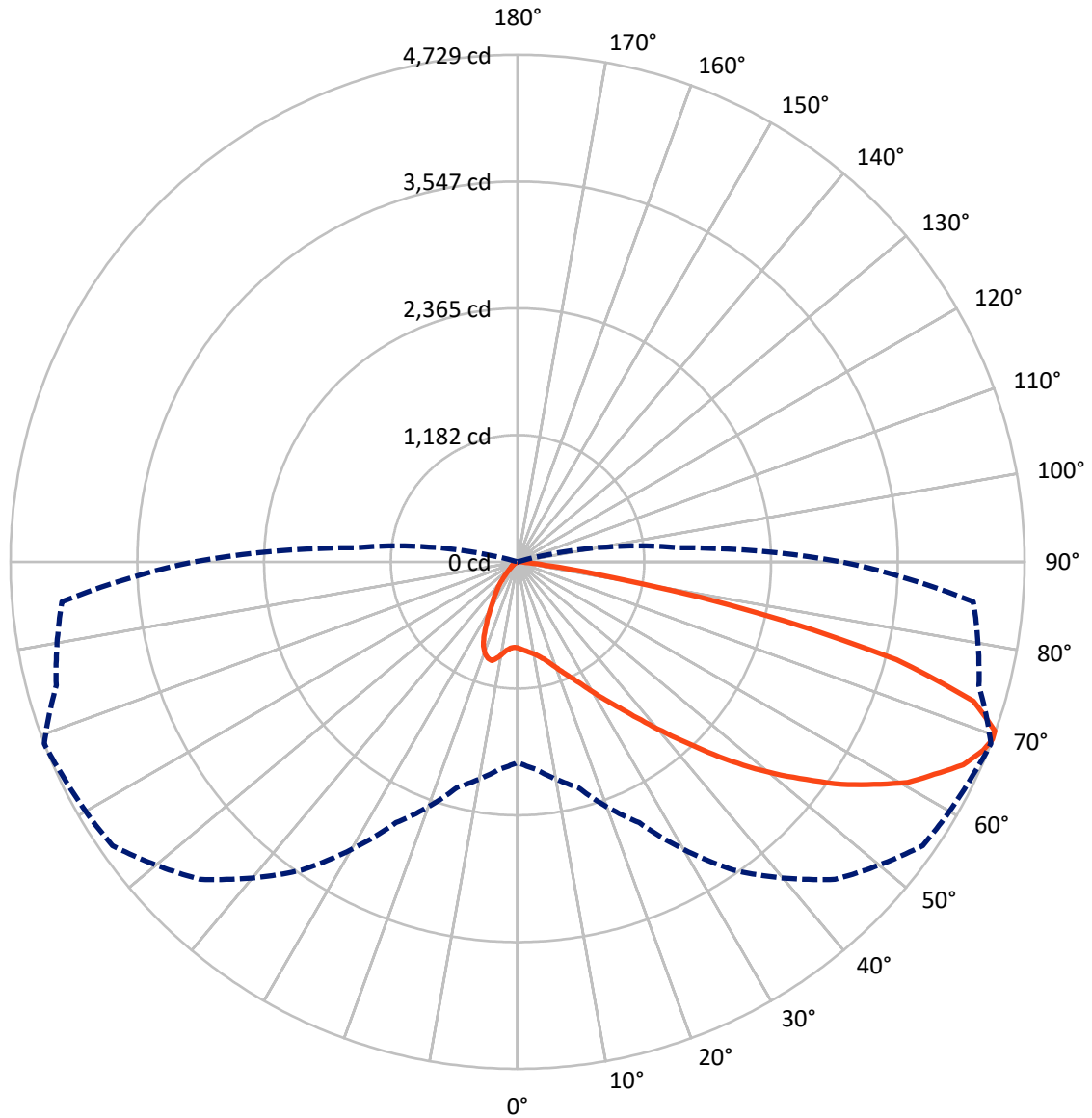
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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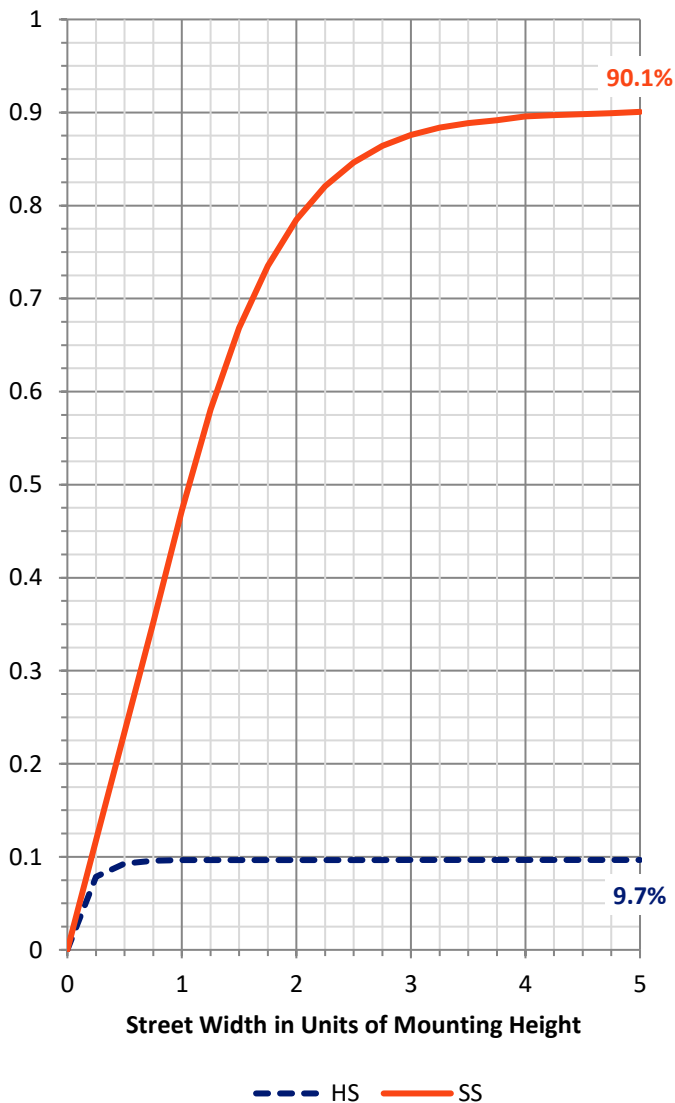
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	703.8	0.0	703.8
	% Fixture	9.7	0.0	9.7
Street Side	Lumens	6519.2	0.0	6519.2
	% Fixture	90.3	0.0	90.3
Total	Lumens	7223.0	0.0	7223.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.6	1.1
10°-20°	202.7	2.8
20°-30°	337.5	4.7
30°-40°	607.6	8.4
40°-50°	1101.7	15.3
50°-60°	1721.6	23.8
60°-70°	1991.9	27.6
70°-80°	1113.9	15.4
80°-90°	69.5	1.0
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°	7223.0	100.0
0°-180°	7223.0	100.0

Coefficient of Utilization

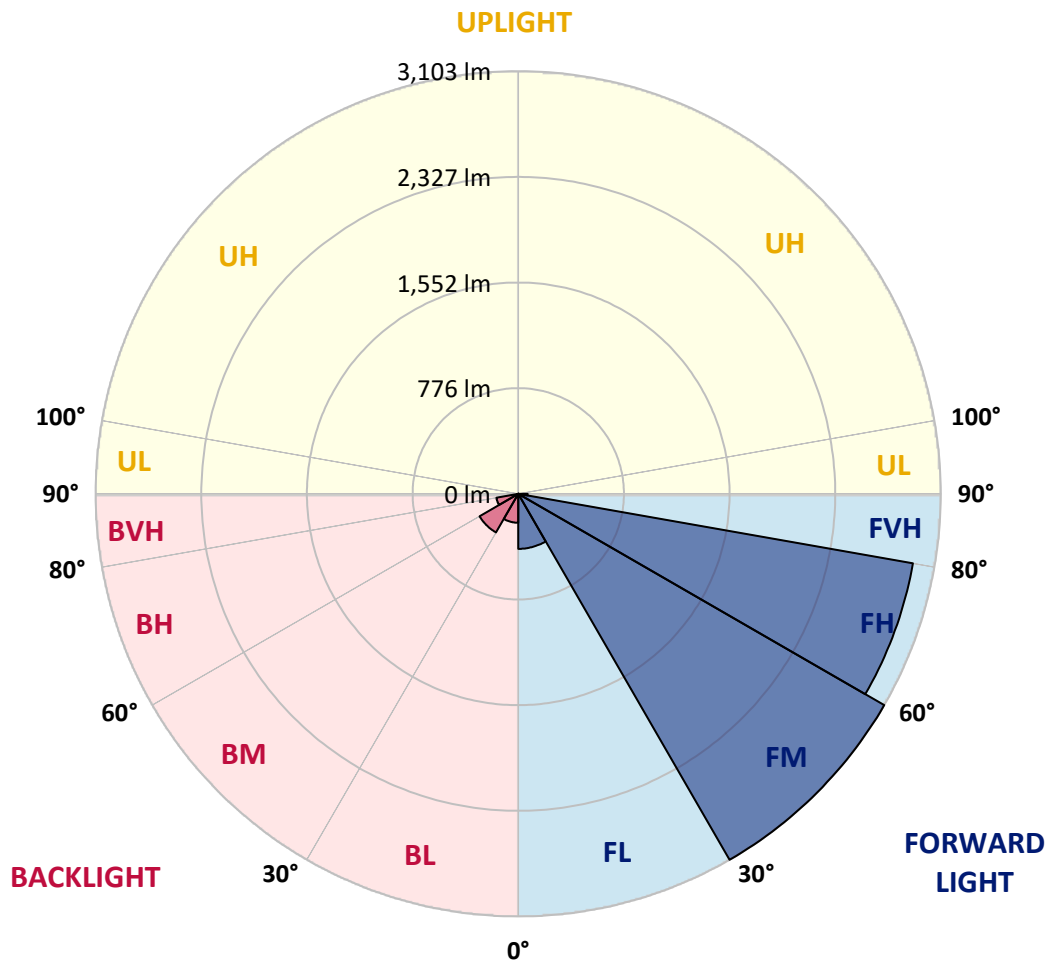


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	404.1	5.6			
FM (30°-60°)	3103.2	43.0			
FH (60°-80°)	2942.8	40.7			G2/5000
FVH (80°-90°)	69.0	1.0			G1/100
BL (0°-30°)	212.7	2.9	B1/500		
BM (30°-60°)	327.6	4.5	B1/1000		
BH (60°-80°)	163.0	2.3	B1/500		G1/500
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4
2.5°	832.3	832.3	832.3	827.5	829.9	827.5	825.1	817.9	820.3	817.9	810.7
5°	803.4	805.8	813.1	817.9	829.9	834.7	837.1	837.1	834.7	829.9	825.1
7.5°	748.1	748.1	755.3	769.8	793.8	820.3	841.9	854.0	856.4	856.4	849.1
10°	733.7	733.7	743.3	752.9	777.0	808.3	841.9	870.8	875.6	880.4	878.0
12.5°	726.5	728.9	738.5	755.3	786.6	815.5	851.6	892.4	906.9	918.9	921.3
15°	736.1	736.1	745.7	762.5	798.6	839.5	885.2	930.9	945.4	962.2	974.2
17.5°	750.5	755.3	760.1	777.0	810.7	861.2	921.3	981.5	998.3	1019.9	1029.6
20°	774.6	774.6	779.4	793.8	829.9	890.0	974.2	1046.4	1060.8	1075.3	1087.3
22.5°	803.4	805.8	805.8	817.9	858.8	923.7	1019.9	1108.9	1133.0	1140.2	1145.0
25°	890.0	885.2	868.4	861.2	892.4	962.2	1075.3	1183.5	1210.0	1217.2	1207.6
27.5°	1070.5	1051.2	1005.5	957.4	952.6	1022.3	1149.8	1277.3	1306.2	1308.6	1274.9
30°	1296.6	1299.0	1224.4	1121.0	1051.2	1087.3	1231.6	1395.2	1424.1	1412.0	1359.1
32.5°	1575.6	1563.6	1508.3	1359.1	1219.6	1188.3	1320.6	1517.9	1551.6	1532.3	1462.6
35°	1813.8	1821.0	1753.6	1621.3	1445.7	1344.7	1428.9	1655.0	1695.9	1662.2	1575.6
37.5°	2013.4	2023.0	1982.1	1873.9	1717.5	1558.8	1570.8	1816.2	1871.5	1837.8	1729.6
40°	2234.7	2241.9	2225.1	2107.2	1967.7	1813.8	1760.8	2001.4	2076.0	2030.3	1917.2
42.5°	2477.7	2504.1	2475.3	2381.5	2237.1	2104.8	2025.4	2227.5	2302.1	2273.2	2121.7
45°	2809.6	2812.0	2778.4	2684.6	2535.4	2427.2	2330.9	2468.1	2564.3	2528.2	2350.2
47.5°	3055.0	3071.8	3052.6	2987.7	2867.4	2795.2	2662.9	2732.7	2833.7	2788.0	2585.9
50°	3242.6	3288.3	3271.5	3290.7	3230.6	3199.3	2997.3	3006.9	3105.5	3067.0	2826.5
52.5°	3346.1	3403.8	3408.6	3507.2	3557.8	3634.7	3322.0	3307.6	3370.1	3336.5	3071.8
55°	3331.6	3346.1	3466.3	3646.8	3844.0	4019.6	3639.5	3579.4	3666.0	3572.2	3331.6
57.5°	3192.1	3228.2	3439.9	3663.6	4012.4	4267.4	3913.8	3846.4	3918.6	3793.5	3598.7
60°	2992.5	3045.4	3317.2	3637.1	4111.0	4416.5	4180.8	4113.4	4178.4	4026.8	3901.7
62.5°	2812.0	2836.1	3086.3	3526.5	4053.3	4409.3	4387.7	4325.1	4363.6	4204.8	4161.5
65°	2554.7	2564.3	2812.0	3326.8	3925.8	4361.2	4500.7	4524.8	4565.7	4354.0	4346.8
67.5°	2157.7	2179.4	2424.8	2978.0	3714.1	4267.4	4589.7	4637.8	4685.9	4433.4	4380.4
69°	1871.5	1941.3	2177.0	2684.6	3509.6	4188.0	4613.8	4690.8	4729.2	4455.0	4267.4
70°	1638.2	1698.3	1970.1	2458.4	3329.2	4099.0	4630.6	4683.5	4722.0	4409.3	4082.2
72.5°	822.7	899.7	1272.5	1794.5	2646.1	3692.5	4544.0	4486.3	4445.4	4055.7	3302.8
75°	317.5	329.6	546.1	1022.3	1655.0	2711.0	3880.1	3771.8	3651.6	3076.7	1958.1
77.5°	175.6	173.2	238.1	452.2	704.8	1325.4	2624.4	2451.2	2285.2	1652.6	793.8
80°	74.6	79.4	103.4	216.5	370.4	459.5	1274.9	1133.0	902.1	524.4	190.0
82.5°	45.7	48.1	72.2	132.3	257.4	175.6	413.7	353.6	259.8	141.9	45.7
85°	14.4	16.8	50.5	89.0	125.1	72.2	93.8	81.8	72.2	60.1	14.4
87.5°	2.4	2.4	19.2	48.1	33.7	12.0	9.6	16.8	26.5	28.9	4.8
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°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4
2.5°	808.3	803.4	798.6	796.2	796.2	791.4	789.0	786.6	786.6	784.2	784.2
5°	817.9	813.1	808.3	805.8	801.0	798.6	798.6	798.6	796.2	798.6	801.0
7.5°	841.9	834.7	832.3	829.9	829.9	822.7	810.7	779.4	748.1	738.5	728.9
10°	875.6	873.2	873.2	873.2	856.4	793.8	707.2	630.2	589.4	555.7	555.7
12.5°	923.7	923.7	921.3	914.1	827.5	676.0	541.2	425.8	358.4	319.9	324.7
15°	976.6	974.2	979.0	933.3	728.9	522.0	327.2	230.9	194.8	190.0	190.0
17.5°	1032.0	1036.8	1032.0	882.8	599.0	322.3	194.8	175.6	170.8	170.8	170.8
20°	1089.7	1084.9	1077.7	796.2	435.4	202.1	168.4	163.6	158.8	156.4	156.4
22.5°	1147.4	1142.6	1094.5	685.6	271.8	166.0	158.8	149.1	141.9	139.5	139.5
25°	1202.8	1202.8	1063.2	543.6	185.2	156.4	144.3	134.7	127.5	120.3	120.3
27.5°	1272.5	1277.3	1012.7	380.1	156.4	144.3	129.9	115.5	105.8	101.0	101.0
30°	1351.9	1359.1	930.9	247.8	141.9	127.5	113.1	96.2	81.8	77.0	74.6
32.5°	1445.7	1452.9	837.1	163.6	127.5	110.7	93.8	72.2	57.7	55.3	52.9
35°	1566.0	1549.2	724.1	129.9	110.7	93.8	72.2	50.5	40.9	38.5	38.5
37.5°	1715.1	1679.1	594.2	113.1	93.8	74.6	52.9	33.7	26.5	26.5	24.1
40°	1885.9	1784.9	459.5	101.0	79.4	57.7	33.7	21.6	16.8	16.8	16.8
42.5°	2073.6	1873.9	327.2	89.0	64.9	40.9	21.6	12.0	9.6	9.6	9.6
45°	2290.1	1955.7	223.7	77.0	55.3	28.9	12.0	4.8	4.8	4.8	4.8
47.5°	2506.5	2008.6	149.1	67.4	40.9	16.8	7.2	2.4	2.4	2.4	2.4
50°	2725.5	2049.5	115.5	57.7	28.9	9.6	2.4	0.0	0.0	0.0	0.0
52.5°	2920.3	2078.4	93.8	48.1	19.2	7.2	2.4	0.0	0.0	0.0	0.0
55°	3088.7	2080.8	81.8	38.5	14.4	4.8	0.0	0.0	0.0	0.0	0.0
57.5°	3259.5	2061.5	69.8	28.9	9.6	2.4	0.0	0.0	0.0	0.0	0.0
60°	3362.9	2011.0	55.3	21.6	7.2	2.4	0.0	0.0	0.0	0.0	0.0
62.5°	3425.5	1926.8	43.3	14.4	4.8	2.4	0.0	0.0	0.0	0.0	0.0
65°	3389.4	1821.0	31.3	9.6	4.8	2.4	0.0	0.0	0.0	0.0	0.0
67.5°	3221.0	1657.4	21.6	7.2	2.4	2.4	0.0	0.0	0.0	0.0	0.0
69°	3021.3	1508.3	19.2	4.8	2.4	2.4	0.0	0.0	0.0	0.0	0.0
70°	2845.7	1392.8	16.8	4.8	2.4	2.4	0.0	0.0	0.0	0.0	0.0
72.5°	2119.3	897.3	14.4	4.8	2.4	2.4	0.0	0.0	0.0	0.0	0.0
75°	1190.7	300.7	9.6	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	447.4	77.0	4.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	98.6	19.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	21.6	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)