

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: P594870

Luminaire Tested: **ISS-PA1F-730-U-T3-HSS**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594870
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-PA1F-730-U-T3-HSS
Description: IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
(1) 70 CRI, 3000K, 1200mA 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: 7916 lumens
Efficiency: N/A
Efficacy: 83.9 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

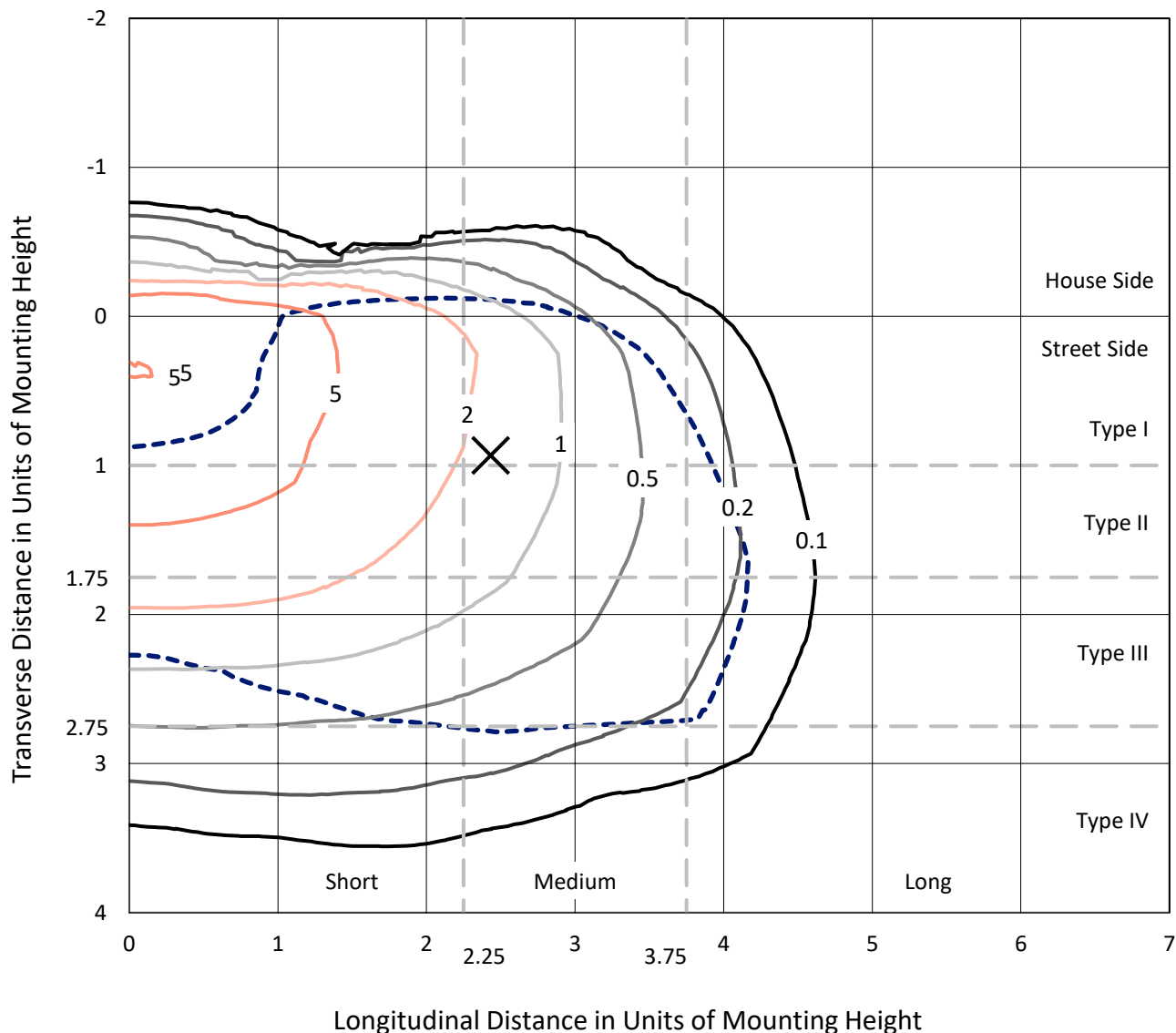
Input Watts (W): 94.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

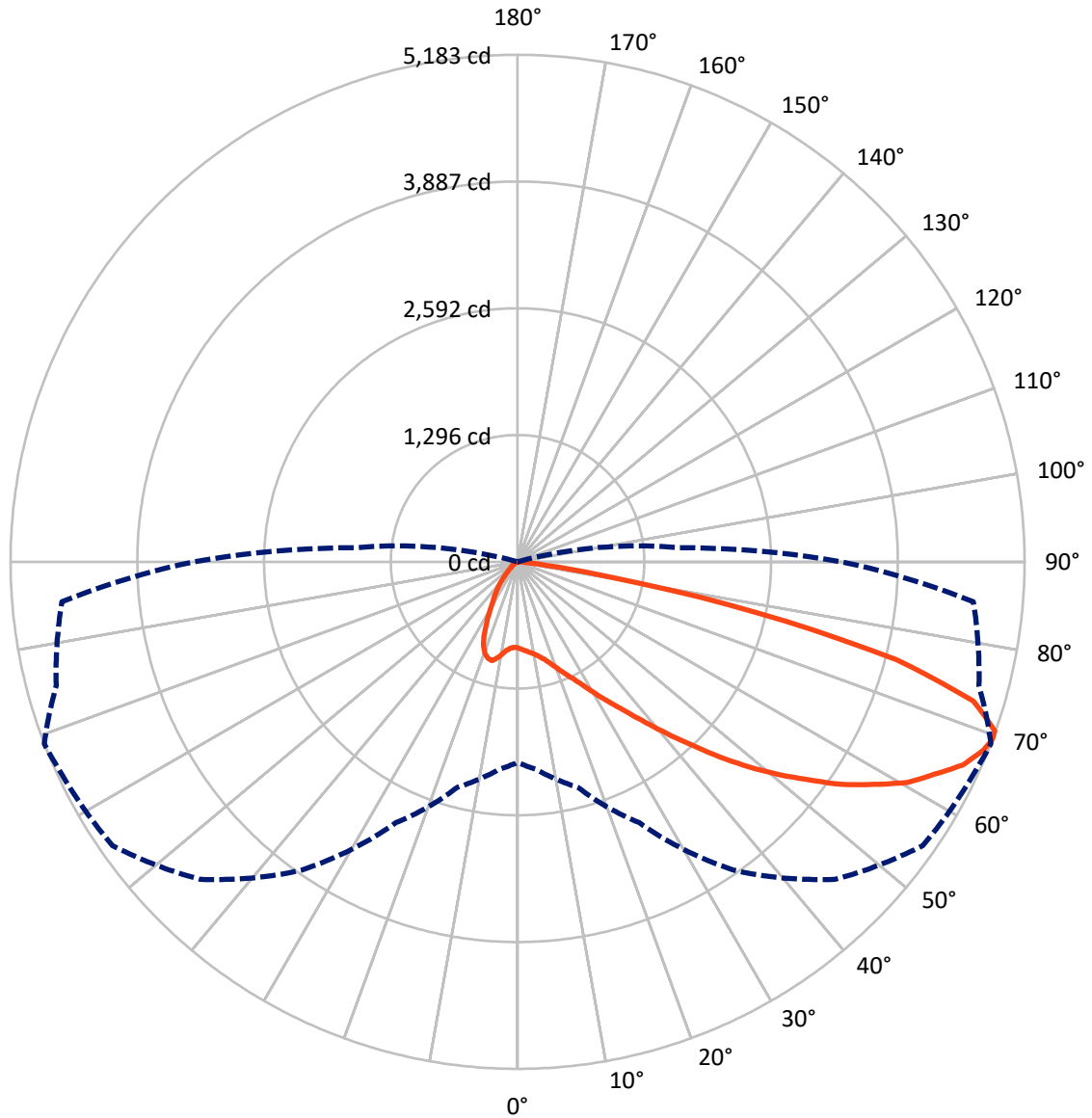
✕ Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 7.6 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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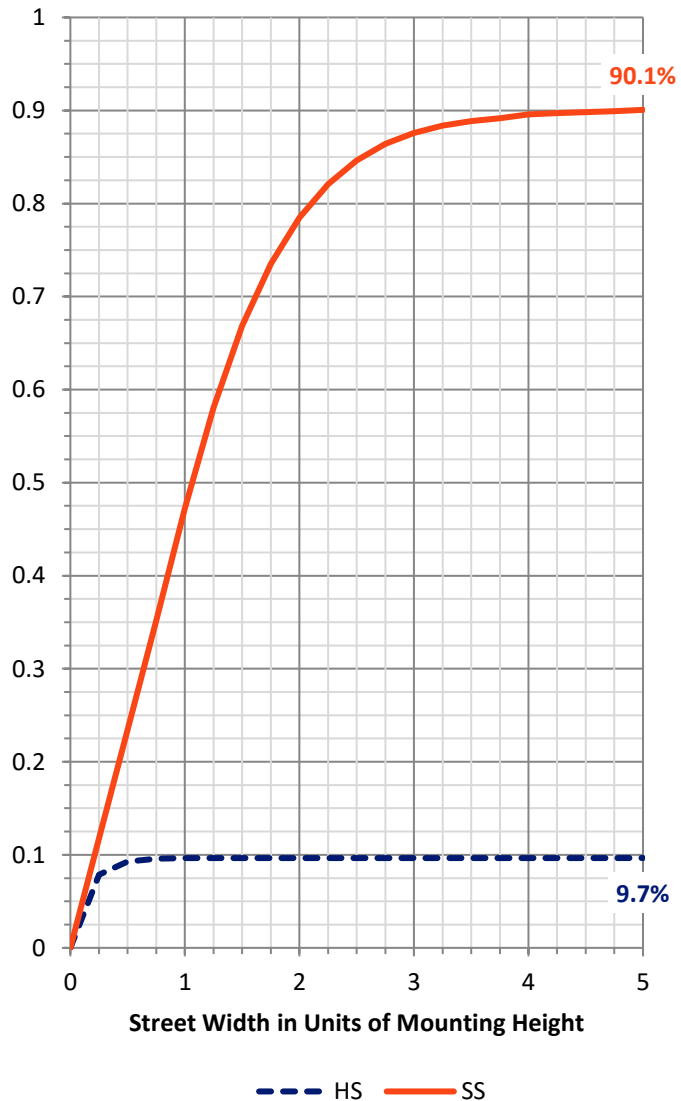
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	771.3	0.0	771.3
	% Fixture	9.7	0.0	9.7
Street Side	Lumens	7144.7	0.0	7144.7
	% Fixture	90.3	0.0	90.3
Total	Lumens	7916.0	0.0	7916.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	1.1
10°-20°	222.1	2.8
20°-30°	369.8	4.7
30°-40°	665.9	8.4
40°-50°	1207.4	15.3
50°-60°	1886.8	23.8
60°-70°	2183.0	27.6
70°-80°	1220.8	15.4
80°-90°	76.2	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°	7916.0	100.0
0°-180°	7916.0	100.0

Coefficient of Utilization

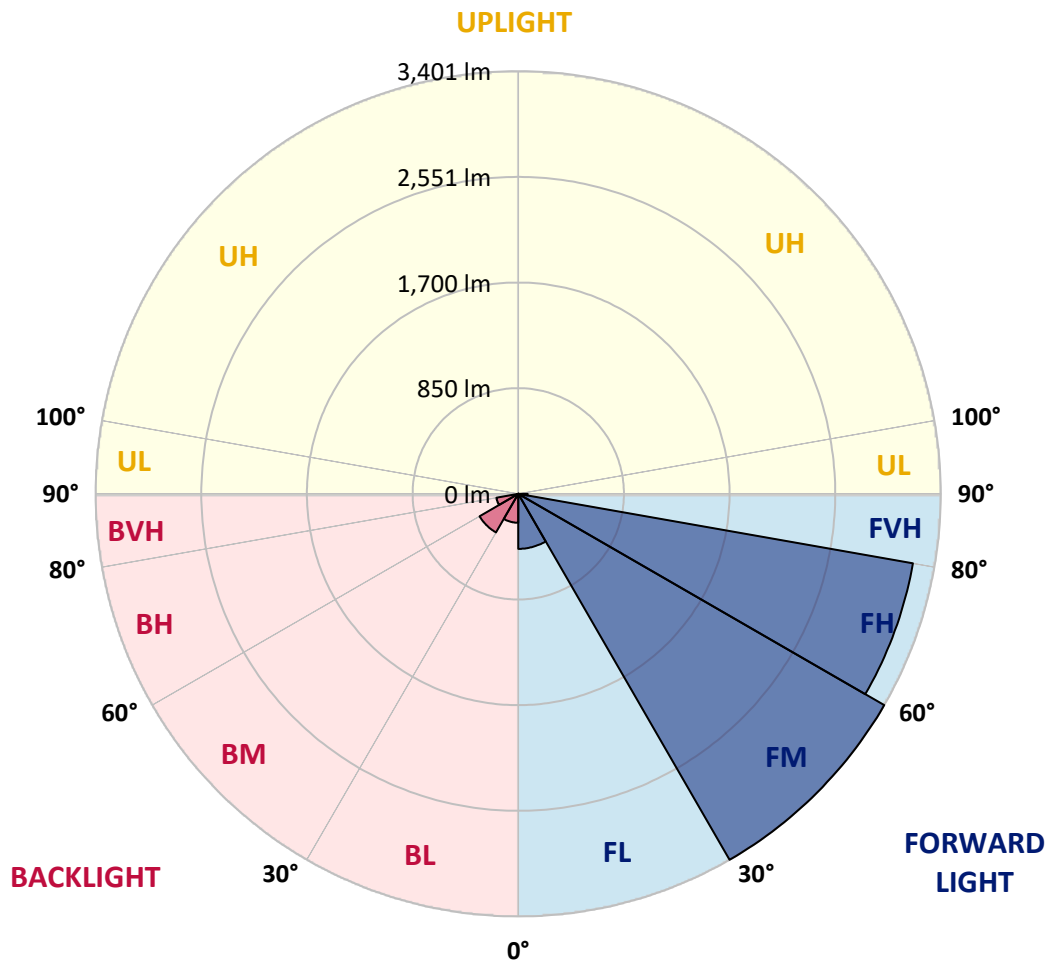


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	442.9	5.6			
FM (30°-60°)	3401.0	43.0			
FH (60°-80°)	3225.2	40.7			G2/5000
FVH (80°-90°)	75.6	1.0			G1/100
BL (0°-30°)	233.1	2.9	B1/500		
BM (30°-60°)	359.1	4.5	B1/1000		
BH (60°-80°)	178.6	2.3	B1/500		G1/500
BVH (80°-90°)	0.6	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°	880.5	880.5	880.5	880.5	880.5	880.5	880.5	880.5	880.5	880.5	880.5
2.5°	912.2	912.2	912.2	906.9	909.5	906.9	904.3	896.3	899.0	896.3	888.4
5°	880.5	883.2	891.1	896.3	909.5	914.8	917.4	917.4	914.8	909.5	904.3
7.5°	819.9	819.9	827.8	843.6	870.0	899.0	922.7	935.9	938.5	938.5	930.6
10°	804.1	804.1	814.6	825.2	851.5	885.8	922.7	954.3	959.6	964.9	962.3
12.5°	796.2	798.8	809.3	827.8	862.1	893.7	933.3	978.1	993.9	1007.1	1009.7
15°	806.7	806.7	817.3	835.7	875.3	920.1	970.2	1020.3	1036.1	1054.5	1067.7
17.5°	822.5	827.8	833.1	851.5	888.4	943.8	1009.7	1075.6	1094.1	1117.8	1128.3
20°	848.9	848.9	854.2	870.0	909.5	975.4	1067.7	1146.8	1162.6	1178.4	1191.6
22.5°	880.5	883.2	883.2	896.3	941.2	1012.3	1117.8	1215.3	1241.7	1249.6	1254.9
25°	975.4	970.2	951.7	943.8	978.1	1054.5	1178.4	1297.1	1326.1	1334.0	1323.4
27.5°	1173.2	1152.1	1102.0	1049.3	1044.0	1120.4	1260.2	1399.9	1431.5	1434.2	1397.2
30°	1421.0	1423.6	1341.9	1228.5	1152.1	1191.6	1349.8	1529.1	1560.7	1547.5	1489.5
32.5°	1726.8	1713.6	1653.0	1489.5	1336.6	1302.3	1447.3	1663.5	1700.4	1679.3	1602.9
35°	1987.8	1995.7	1921.9	1776.9	1584.4	1473.7	1566.0	1813.8	1858.6	1821.7	1726.8
37.5°	2206.6	2217.1	2172.3	2053.7	1882.3	1708.3	1721.5	1990.4	2051.0	2014.1	1895.5
40°	2449.1	2457.0	2438.6	2309.4	2156.5	1987.8	1929.8	2193.4	2275.1	2225.0	2101.1
42.5°	2715.4	2744.4	2712.8	2609.9	2451.8	2306.8	2219.8	2441.2	2522.9	2491.3	2325.2
45°	3079.2	3081.8	3044.9	2942.1	2778.7	2660.0	2554.6	2704.9	2810.3	2770.8	2575.7
47.5°	3348.1	3366.6	3345.5	3274.3	3142.5	3063.4	2918.4	2994.8	3105.6	3055.5	2834.0
50°	3553.7	3603.8	3585.4	3606.5	3540.6	3506.3	3284.8	3295.4	3403.5	3361.3	3097.7
52.5°	3667.1	3730.4	3735.7	3843.7	3899.1	3983.5	3640.7	3624.9	3693.5	3656.6	3366.6
55°	3651.3	3667.1	3798.9	3996.6	4212.8	4405.3	3988.7	3922.8	4017.7	3914.9	3651.3
57.5°	3498.4	3537.9	3769.9	4015.1	4397.4	4676.8	4289.3	4215.5	4294.5	4157.5	3943.9
60°	3279.6	3337.6	3635.5	3986.1	4505.5	4840.3	4581.9	4508.1	4579.3	4413.2	4276.1
62.5°	3081.8	3108.2	3382.4	3864.8	4442.2	4832.4	4808.6	4740.1	4782.3	4608.3	4560.8
65°	2799.8	2810.3	3081.8	3646.0	4302.5	4779.6	4932.5	4958.9	5003.7	4771.7	4763.8
67.5°	2364.8	2388.5	2657.4	3263.8	4070.5	4676.8	5030.1	5082.8	5135.5	4858.7	4800.7
69°	2051.0	2127.5	2385.9	2942.1	3846.4	4589.8	5056.4	5140.8	5183.0	4882.4	4676.8
70°	1795.3	1861.2	2159.1	2694.3	3648.7	4492.3	5074.9	5132.9	5175.1	4832.4	4473.8
72.5°	901.6	986.0	1394.6	1966.7	2899.9	4046.7	4980.0	4916.7	4871.9	4444.8	3619.7
75°	348.0	361.2	598.4	1120.4	1813.8	2971.1	4252.4	4133.7	4001.9	3371.8	2146.0
77.5°	192.5	189.8	261.0	495.6	772.4	1452.6	2876.2	2686.4	2504.5	1811.1	870.0
80°	81.7	87.0	113.4	237.3	406.0	503.5	1397.2	1241.7	988.6	574.7	208.3
82.5°	50.1	52.7	79.1	145.0	282.1	192.5	453.4	387.5	284.7	155.5	50.1
85°	15.8	18.5	55.4	97.5	137.1	79.1	102.8	89.6	79.1	65.9	15.8
87.5°	2.6	2.6	21.1	52.7	36.9	13.2	10.5	18.5	29.0	31.6	5.3
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°	880.5	880.5	880.5	880.5	880.5	880.5	880.5	880.5	880.5	880.5	880.5
2.5°	885.8	880.5	875.3	872.6	872.6	867.3	864.7	862.1	862.1	859.4	859.4
5°	896.3	891.1	885.8	883.2	877.9	875.3	875.3	875.3	872.6	875.3	877.9
7.5°	922.7	914.8	912.2	909.5	909.5	901.6	888.4	854.2	819.9	809.3	798.8
10°	959.6	957.0	957.0	957.0	938.5	870.0	775.1	690.7	645.9	609.0	609.0
12.5°	1012.3	1012.3	1009.7	1001.8	906.9	740.8	593.2	466.6	392.8	350.6	355.9
15°	1070.3	1067.7	1073.0	1022.9	798.8	572.1	358.5	253.1	213.5	208.3	208.3
17.5°	1131.0	1136.2	1131.0	967.5	656.4	353.3	213.5	192.5	187.2	187.2	187.2
20°	1194.2	1189.0	1181.1	872.6	477.2	221.5	184.5	179.3	174.0	171.4	171.4
22.5°	1257.5	1252.2	1199.5	751.3	297.9	181.9	174.0	163.5	155.5	152.9	152.9
25°	1318.2	1318.2	1165.2	595.8	203.0	171.4	158.2	147.6	139.7	131.8	131.8
27.5°	1394.6	1399.9	1109.9	416.5	171.4	158.2	142.4	126.5	116.0	110.7	110.7
30°	1481.6	1489.5	1020.3	271.5	155.5	139.7	123.9	105.5	89.6	84.4	81.7
32.5°	1584.4	1592.3	917.4	179.3	139.7	121.3	102.8	79.1	63.3	60.6	58.0
35°	1716.2	1697.8	793.5	142.4	121.3	102.8	79.1	55.4	44.8	42.2	42.2
37.5°	1879.7	1840.1	651.2	123.9	102.8	81.7	58.0	36.9	29.0	29.0	26.4
40°	2066.9	1956.1	503.5	110.7	87.0	63.3	36.9	23.7	18.5	18.5	18.5
42.5°	2272.5	2053.7	358.5	97.5	71.2	44.8	23.7	13.2	10.5	10.5	10.5
45°	2509.8	2143.3	245.2	84.4	60.6	31.6	13.2	5.3	5.3	5.3	5.3
47.5°	2747.0	2201.3	163.5	73.8	44.8	18.5	7.9	2.6	2.6	2.6	2.6
50°	2986.9	2246.1	126.5	63.3	31.6	10.5	2.6	0.0	0.0	0.0	0.0
52.5°	3200.5	2277.8	102.8	52.7	21.1	7.9	2.6	0.0	0.0	0.0	0.0
55°	3385.0	2280.4	89.6	42.2	15.8	5.3	0.0	0.0	0.0	0.0	0.0
57.5°	3572.2	2259.3	76.5	31.6	10.5	2.6	0.0	0.0	0.0	0.0	0.0
60°	3685.6	2204.0	60.6	23.7	7.9	2.6	0.0	0.0	0.0	0.0	0.0
62.5°	3754.1	2111.7	47.5	15.8	5.3	2.6	0.0	0.0	0.0	0.0	0.0
65°	3714.6	1995.7	34.3	10.5	5.3	2.6	0.0	0.0	0.0	0.0	0.0
67.5°	3530.0	1816.4	23.7	7.9	2.6	2.6	0.0	0.0	0.0	0.0	0.0
69°	3311.2	1653.0	21.1	5.3	2.6	2.6	0.0	0.0	0.0	0.0	0.0
70°	3118.8	1526.4	18.5	5.3	2.6	2.6	0.0	0.0	0.0	0.0	0.0
72.5°	2322.6	983.3	15.8	5.3	2.6	2.6	0.0	0.0	0.0	0.0	0.0
75°	1305.0	329.5	10.5	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	490.4	84.4	5.3	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	108.1	21.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	23.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	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)