

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: P887528

Luminaire Tested: **TT-D1-740-U-DL-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887528
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-238-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/9/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D1-740-U-DL-TC
Description: DL
4000K, 70 CRI LEDS, DRIVE LANE DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2875 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

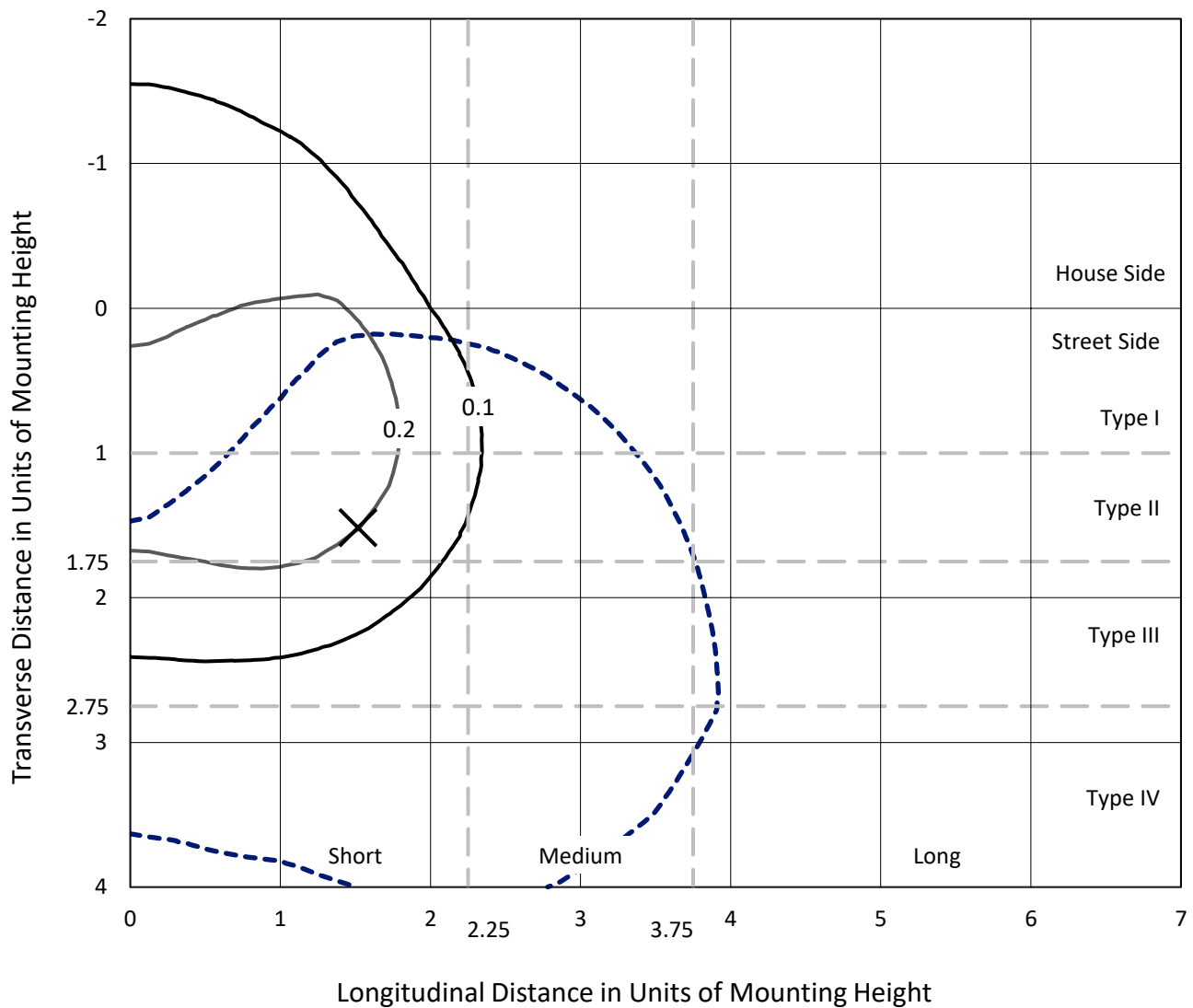
Input Watts (W): 28.8
Input Voltage (V): 120.0
Input Current (Ain): 0.24
Voltage Rise (V): NR
Power Factor: 0.979
Total Harmonic Distortion (THDi): 13.3%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

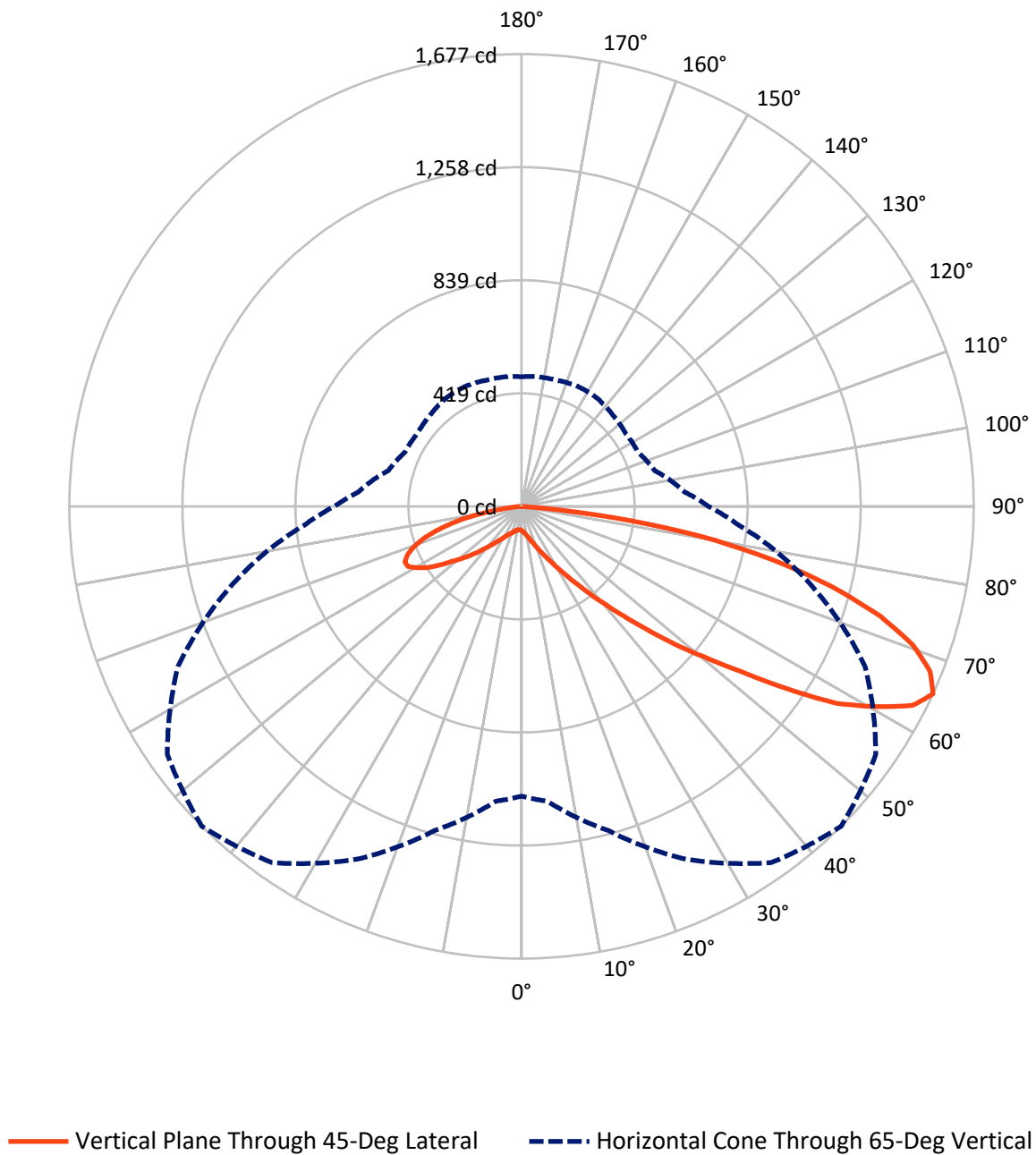
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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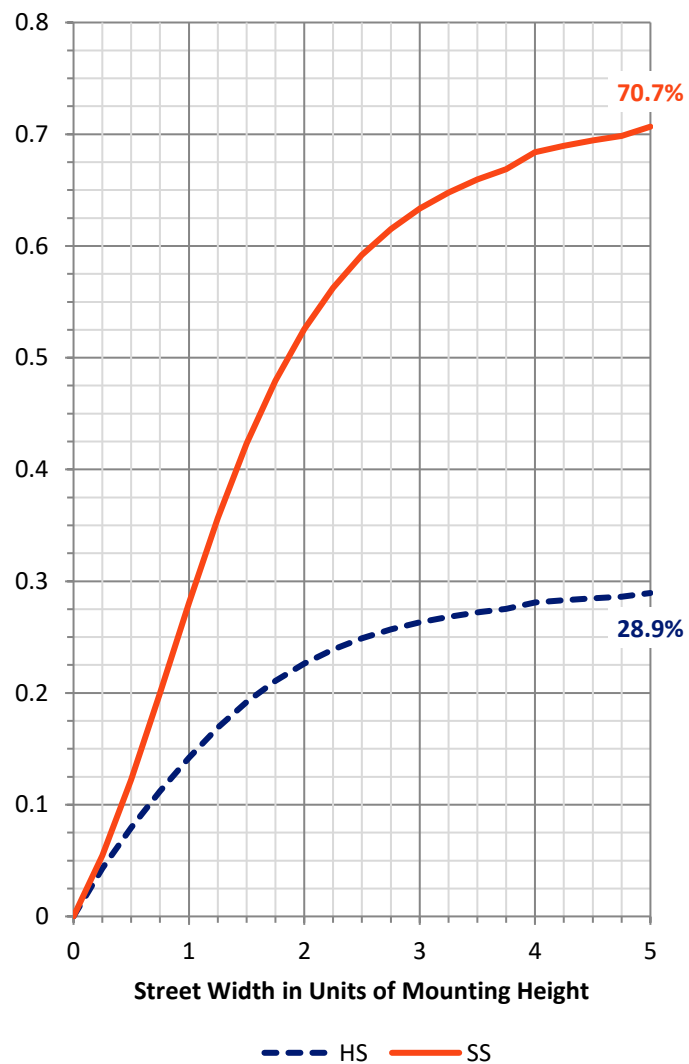
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	833.2	0.0	833.2
	% Fixture	29.0	0.0	29.0
Street Side	Lumens	2041.8	0.0	2041.8
	% Fixture	71.0	0.0	71.0
Total	Lumens	2875.0	0.0	2875.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	0.3
10°-20°	32.9	1.1
20°-30°	75.0	2.6
30°-40°	159.0	5.5
40°-50°	329.9	11.5
50°-60°	633.8	22.0
60°-70°	878.9	30.6
70°-80°	661.7	23.0
80°-90°	94.7	3.3
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°	2875.0	100.0
0°-180°	2875.0	100.0

Coefficient of Utilization



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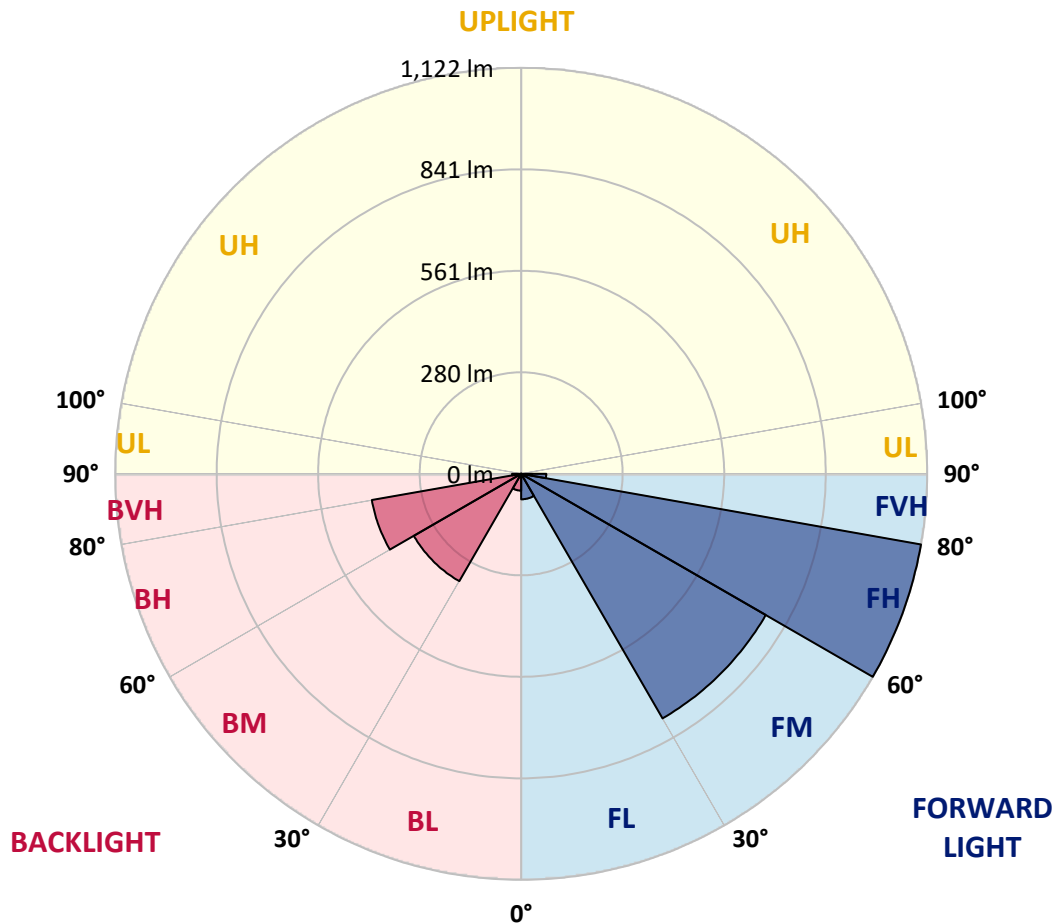
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	70.5	2.5			
FM	(30°-60°)	780.3	27.1			
FH	(60°-80°)	1121.8	39.0			G1/1800
FVH	(80°-90°)	69.3	2.4			G1/100
BL	(0°-30°)	46.5	1.6	B0/110		
BM	(30°-60°)	342.5	11.9	B1/1000		
BH	(60°-80°)	418.8	14.6	B1/500		G1/500
BVH	(80°-90°)	25.4	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
2.5°	95.1	95.1	94.4	94.4	93.8	93.2	93.2	92.6	91.3	90.7	90.7
5°	100.7	100.7	100.0	100.0	98.8	97.5	96.9	96.3	95.1	93.2	92.6
7.5°	107.5	107.5	107.5	106.9	105.0	103.8	102.5	100.7	98.8	96.9	95.7
10°	116.8	116.2	116.2	114.9	113.1	111.2	109.4	107.5	104.4	101.3	100.0
12.5°	127.4	126.8	126.1	125.5	123.0	120.5	118.1	115.6	111.2	107.5	105.0
15°	139.2	138.6	137.9	137.3	134.8	131.7	128.6	124.9	119.3	114.3	111.8
17.5°	154.7	154.1	153.5	152.8	149.1	146.0	141.7	136.1	129.2	122.4	119.3
20°	170.2	170.2	170.2	169.0	166.5	162.8	157.8	150.4	142.3	132.3	128.0
22.5°	188.9	188.9	190.1	188.9	186.4	182.1	176.5	167.8	156.0	144.1	137.9
25°	210.6	210.6	212.5	212.5	210.0	205.0	198.2	187.0	172.1	158.4	150.4
27.5°	236.1	235.5	239.2	239.8	237.3	232.4	224.3	211.3	190.7	174.0	164.7
30°	265.9	264.7	269.7	271.5	270.3	266.6	256.0	240.5	216.2	193.2	181.4
32.5°	295.1	298.9	303.8	308.2	308.2	305.7	293.9	275.2	245.4	215.0	201.9
35°	332.4	336.1	346.7	351.1	352.9	352.9	340.5	319.4	282.7	246.0	228.0
37.5°	374.7	379.0	392.7	400.8	407.0	410.1	399.5	370.9	325.0	276.5	257.2
40°	422.5	428.1	445.5	458.5	471.6	477.2	467.2	431.2	373.4	314.4	290.2
42.5°	475.9	482.2	505.1	525.6	546.8	556.7	544.9	503.3	433.1	359.1	329.9
45°	535.0	542.4	573.5	603.3	631.9	650.5	639.3	593.4	508.2	416.3	380.3
47.5°	600.2	608.9	648.7	689.7	731.3	761.8	746.8	697.1	599.6	488.4	443.0
50°	669.2	680.4	730.7	781.6	841.3	877.3	866.8	815.8	696.5	564.8	509.5
52.5°	739.4	748.7	816.4	884.8	957.5	1014.6	1020.8	974.9	849.4	690.3	617.6
55°	812.7	825.1	903.4	987.9	1081.7	1193.0	1228.4	1162.5	974.2	763.6	672.3
57.5°	886.6	897.8	979.8	1094.2	1239.6	1378.1	1388.1	1258.8	1033.3	797.8	696.5
60°	946.9	959.3	1056.9	1212.2	1388.7	1508.0	1475.0	1312.3	1065.6	813.3	707.1
62.5°	994.1	1010.3	1155.1	1337.7	1530.3	1626.6	1552.7	1360.7	1083.0	812.7	702.1
65°	1074.9	1097.9	1244.5	1444.0	1613.0	1677.0	1603.7	1406.1	1106.6	809.6	693.4
67.5°	1115.9	1131.4	1260.7	1445.2	1592.5	1634.1	1562.0	1366.9	1083.6	788.5	664.8
70°	1062.5	1085.5	1204.8	1387.4	1515.4	1539.7	1473.8	1278.7	1009.7	722.6	606.4
72.5°	963.1	980.5	1084.2	1265.0	1371.9	1389.3	1335.9	1147.0	896.0	627.5	520.1
75°	812.1	827.0	905.9	1074.9	1171.2	1188.6	1144.5	964.9	748.1	513.8	421.9
77.5°	619.5	628.2	689.1	842.5	935.7	950.6	910.9	746.8	572.9	384.0	311.9
80°	390.8	395.8	455.4	582.8	667.9	676.6	643.1	503.9	377.8	244.8	190.1
82.5°	160.3	159.1	190.7	299.5	365.3	349.8	360.4	231.8	172.7	105.6	78.9
85°	9.9	7.5	5.6	15.5	14.9	12.4	21.7	5.0	8.7	8.1	6.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
2.5°	90.1	89.5	88.9	88.2	87.6	87.0	87.0	86.4	86.4	86.4
5°	92.0	90.1	89.5	87.6	86.4	85.7	85.7	85.1	85.1	85.1
7.5°	94.4	92.6	90.7	88.9	87.0	85.7	85.1	85.1	84.5	84.5
10°	98.2	95.7	93.2	90.7	88.9	87.6	86.4	85.7	85.7	85.7
12.5°	103.8	99.4	96.3	93.2	91.3	89.5	88.2	87.6	87.6	87.6
15°	109.4	104.4	100.7	96.9	94.4	92.0	91.3	90.7	90.7	90.7
17.5°	116.2	110.0	105.0	100.7	98.2	95.7	95.1	94.4	94.4	93.8
20°	124.3	116.8	110.6	105.6	103.1	100.7	99.4	99.4	98.8	98.8
22.5°	133.0	123.6	116.8	111.2	108.7	105.6	105.0	105.0	105.0	104.4
25°	144.1	131.7	124.3	118.1	114.9	112.5	111.8	112.5	112.5	111.8
27.5°	157.2	141.7	132.3	125.5	123.0	120.5	120.5	120.5	121.8	120.5
30°	172.1	154.7	142.3	134.8	132.3	129.9	130.5	131.7	132.3	131.7
32.5°	189.5	167.8	154.7	146.0	143.5	141.0	142.3	144.8	146.6	144.1
35°	212.5	185.8	169.6	160.3	157.8	156.0	157.8	160.3	162.2	160.9
37.5°	236.7	205.0	187.0	176.5	174.0	172.1	174.6	177.7	180.2	178.3
40°	265.3	226.8	206.3	195.7	194.5	191.4	194.5	198.2	201.3	199.4
42.5°	298.9	253.5	229.3	217.5	216.8	213.7	216.8	221.2	224.3	223.1
45°	341.7	285.8	257.2	242.9	242.9	238.6	242.3	246.7	251.6	247.9
47.5°	395.2	328.1	290.2	270.3	270.9	267.2	269.7	274.0	279.0	275.2
50°	455.4	373.4	327.4	303.2	300.7	296.4	300.7	303.8	308.2	306.9
52.5°	542.4	441.1	379.6	340.5	333.7	327.4	331.8	331.8	337.4	336.1
55°	594.0	490.9	433.1	393.3	375.3	361.0	362.9	364.1	367.8	366.6
57.5°	616.4	510.1	459.2	432.4	417.5	399.5	394.5	391.4	397.0	396.4
60°	623.2	516.9	469.1	453.0	448.0	436.8	428.1	421.3	421.9	421.3
62.5°	617.0	515.1	474.1	466.0	476.6	474.7	467.9	449.2	444.9	442.4
65°	607.7	511.4	476.6	471.6	479.0	489.6	491.5	485.3	484.0	480.3
67.5°	582.8	487.7	454.2	454.2	459.2	480.3	491.5	495.8	493.3	492.1
70°	529.4	446.1	420.6	421.9	425.6	455.4	472.2	479.7	470.3	471.6
72.5°	454.8	388.3	371.6	376.5	377.1	411.3	431.8	438.7	429.3	432.4
75°	367.2	317.5	308.8	318.1	317.5	348.6	367.8	375.9	367.8	374.7
77.5°	271.5	238.0	236.7	249.2	245.4	274.0	288.9	297.6	293.9	298.9
80°	170.9	154.7	159.1	172.7	164.0	189.5	200.7	207.5	201.3	208.1
82.5°	74.6	72.7	79.5	89.5	77.7	97.5	103.8	106.2	98.8	105.6
85°	5.0	5.6	6.2	8.1	3.1	7.5	11.2	8.7	7.5	6.8
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	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

(END OF REPORT)