

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: P198177

Luminaire Tested: **TT-C3-LED-E1-DL-MS/DIM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198177
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34704)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C3-LED-E1-DL-MS/DIM-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
DRIVE LANE DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3958.3 lumens
Efficiency: N/A
Efficacy: 59.5 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 66.5
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



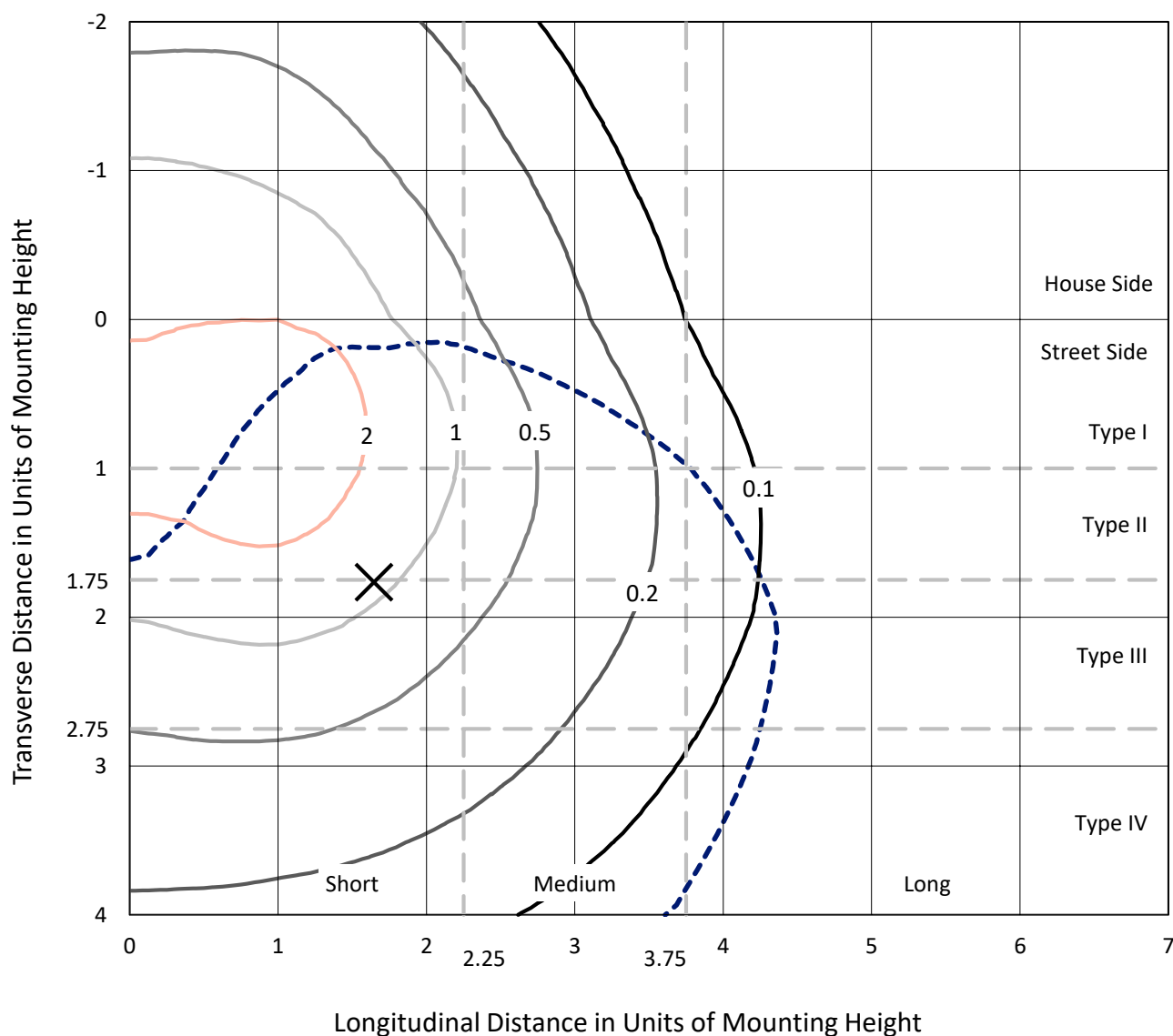
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

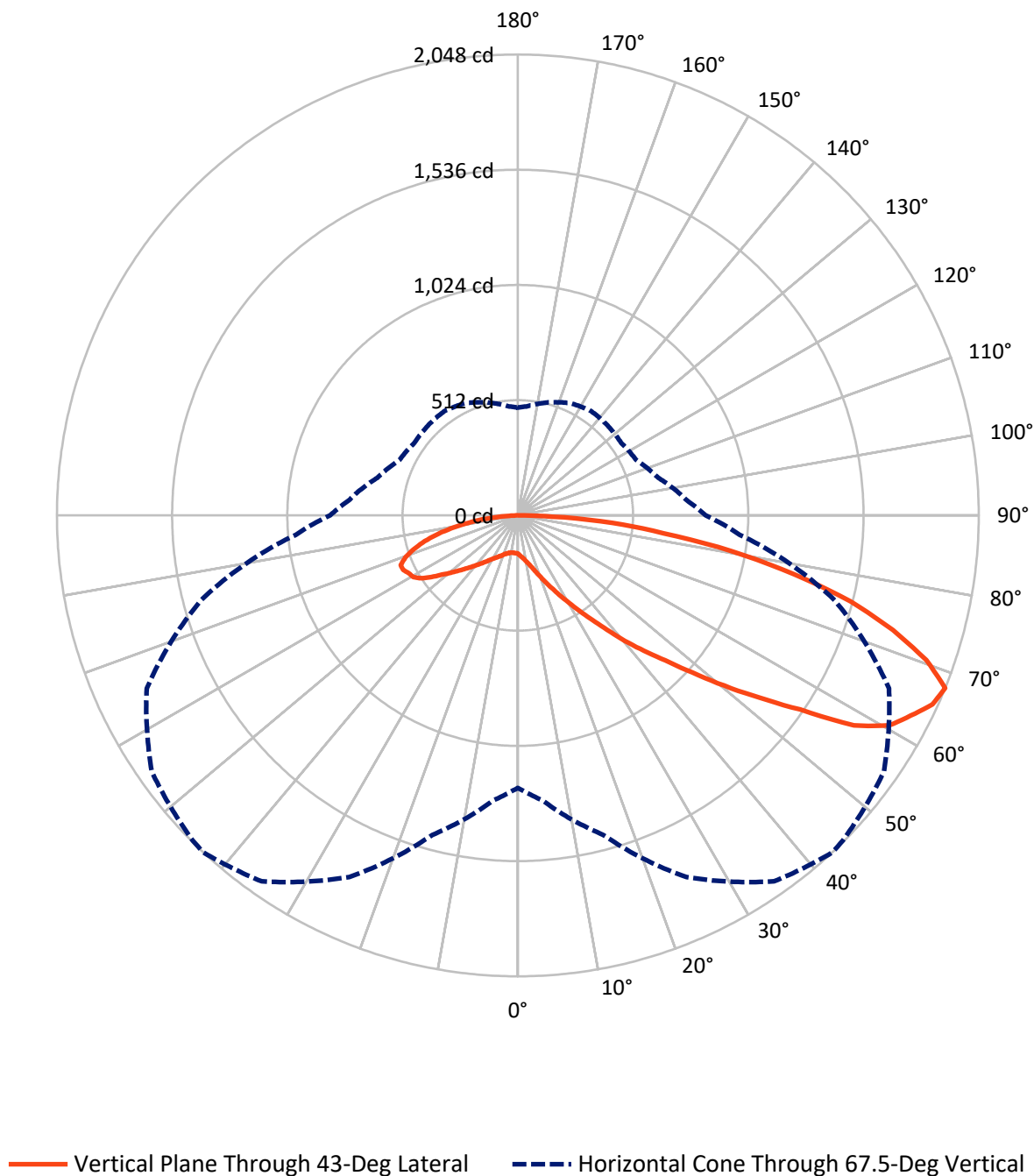


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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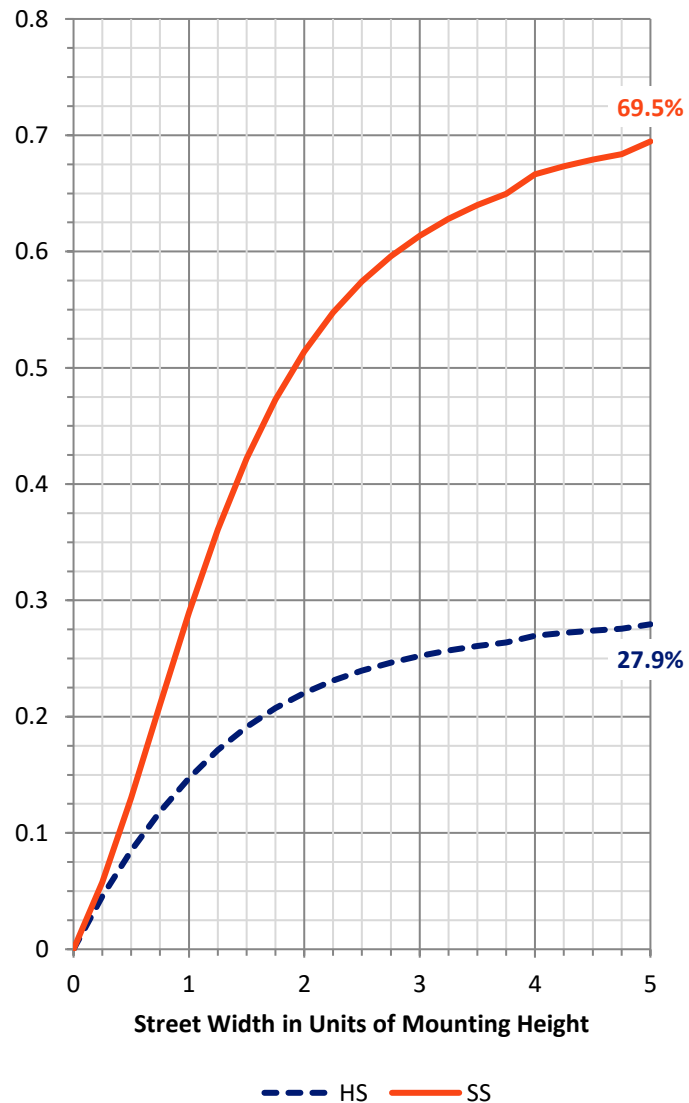
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1129.9	0.0	1129.9
	% Fixture	28.5	0.0	28.5
Street Side	Lumens	2828.4	0.0	2828.4
	% Fixture	71.5	0.0	71.5
Total	Lumens	3958.3	0.0	3958.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.2	0.4
10°-20°	60.0	1.5
20°-30°	129.9	3.3
30°-40°	250.9	6.3
40°-50°	460.7	11.6
50°-60°	795.6	20.1
60°-70°	1075.9	27.2
70°-80°	901.0	22.8
80°-90°	267.1	6.7
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°	3958.3	100.0
0°-180°	3958.3	100.0

Coefficient of Utilization



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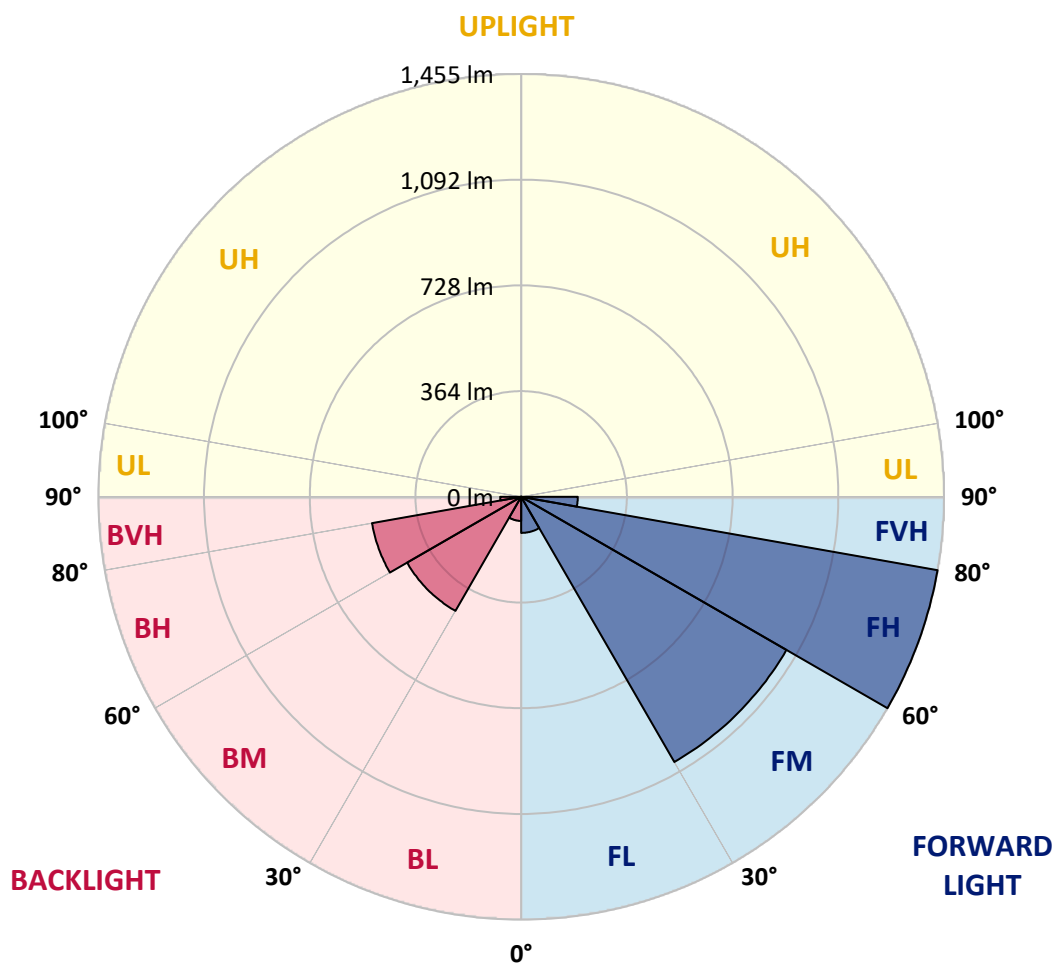
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	124.3	3.1			
FM	(30°-60°)	1054.0	26.6			
FH	(60°-80°)	1455.4	36.8			G1/1800
FVH	(80°-90°)	194.8	4.9			G2/225
BL	(0°-30°)	82.8	2.1	B0/110		
BM	(30°-60°)	453.2	11.5	B1/1000		
BH	(60°-80°)	521.5	13.2	B2/1000		G2/1000
BVH	(80°-90°)	72.3	1.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4
2.5°	180.2	180.2	179.5	179.5	178.7	178.0	177.2	177.2	175.7	175.0	174.2
5°	190.1	190.1	190.1	188.5	187.0	186.3	186.3	184.0	181.8	179.5	177.2
7.5°	202.1	201.4	201.4	199.9	197.6	195.3	194.6	193.1	189.3	186.3	181.8
10°	215.7	215.7	215.7	212.7	210.4	208.2	206.6	203.6	199.1	193.8	189.3
12.5°	232.3	232.3	233.0	229.3	227.0	222.5	221.7	217.2	211.2	203.6	196.8
15°	251.1	254.2	251.9	251.9	244.4	242.1	240.6	235.3	227.0	217.2	208.2
17.5°	278.3	277.5	274.5	275.3	270.0	266.2	262.5	253.4	244.4	230.8	218.7
20°	309.2	307.7	303.9	302.4	299.4	292.6	291.1	279.0	264.7	250.4	234.5
22.5°	339.4	340.1	338.6	335.6	332.6	327.3	324.3	311.5	291.1	272.3	248.9
25°	369.5	372.6	372.6	374.8	369.5	362.8	360.5	345.4	322.8	294.1	269.2
27.5°	407.3	408.0	410.3	413.3	411.8	405.7	401.2	384.6	356.7	325.1	291.9
30°	445.0	448.0	449.5	455.5	457.0	452.5	448.0	429.1	400.5	359.0	316.8
32.5°	485.7	490.2	493.2	501.5	511.3	508.3	506.8	484.9	451.0	402.7	350.7
35°	531.7	532.4	542.3	561.1	569.4	570.9	567.1	552.1	510.6	453.3	388.4
37.5°	575.4	579.2	595.8	619.9	634.3	644.1	645.6	631.2	585.2	512.8	429.9
40°	623.7	626.0	653.1	678.8	717.2	733.1	729.3	714.2	664.4	581.5	478.9
42.5°	673.5	681.0	706.7	748.9	796.4	822.8	829.6	811.5	761.7	662.9	542.3
45°	721.7	733.8	761.7	816.8	887.7	919.3	926.1	935.2	888.4	764.7	626.7
47.5°	774.5	781.3	823.6	896.7	974.4	1042.3	1061.9	1068.7	997.0	860.5	686.3
50°	829.6	831.1	889.9	989.5	1110.9	1189.3	1190.8	1225.5	1134.3	981.9	759.5
52.5°	888.4	889.9	959.3	1087.5	1247.4	1345.5	1365.1	1376.4	1329.6	1139.6	894.5
55°	946.5	950.3	1036.2	1220.3	1418.6	1521.9	1567.9	1617.0	1506.1	1261.7	943.5
57.5°	1007.6	1015.1	1141.1	1365.1	1607.2	1761.8	1785.1	1792.7	1619.2	1310.8	958.6
60°	1063.4	1080.0	1250.4	1505.3	1766.3	1896.0	1899.0	1855.3	1662.2	1339.4	959.3
62.5°	1121.5	1142.6	1350.7	1639.6	1888.5	1959.4	1966.9	1896.8	1737.6	1435.2	1025.7
65°	1165.2	1204.4	1426.2	1733.9	1936.7	2025.0	2038.5	2018.9	1856.0	1500.1	1048.3
67.5°	1210.5	1272.3	1469.9	1773.1	1985.0	2048.3	2043.1	1985.8	1819.8	1457.8	991.0
70°	1267.8	1313.0	1503.8	1759.5	1915.6	1925.4	1925.4	1854.5	1705.2	1373.4	920.9
72.5°	1290.4	1325.8	1466.1	1650.9	1745.9	1742.9	1729.3	1690.1	1549.1	1243.6	816.8
75°	1266.3	1270.8	1335.6	1448.0	1519.7	1527.2	1511.4	1456.3	1345.5	1078.5	699.1
77.5°	1135.8	1125.2	1140.3	1196.1	1259.5	1254.2	1251.9	1189.3	1103.4	889.9	573.9
80°	894.5	900.5	901.2	911.8	950.3	963.8	949.5	902.0	843.9	692.3	444.2
82.5°	614.7	624.5	633.5	619.9	636.5	651.6	649.3	604.1	585.2	485.7	307.0
85°	331.1	354.5	359.7	367.3	404.2	422.3	415.6	381.6	355.2	300.2	185.5
87.5°	67.1	55.1	78.4	111.6	141.0	152.3	171.2	129.0	102.6	75.4	42.2
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°	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4	170.4
2.5°	173.5	172.7	172.0	170.4	168.9	168.2	167.4	166.7	166.7	166.7	166.7
5°	176.5	175.7	173.5	172.0	169.7	168.2	166.7	165.9	164.4	163.7	164.4
7.5°	180.2	178.7	175.0	172.0	169.7	167.4	165.9	165.2	164.4	162.9	162.9
10°	186.3	184.0	178.7	174.2	171.2	168.2	165.9	165.2	164.4	163.7	163.7
12.5°	194.6	190.1	184.0	178.7	173.5	169.7	168.2	166.7	165.9	165.9	165.9
15°	202.9	199.1	190.8	182.5	177.2	174.2	172.0	169.7	169.7	169.7	169.7
17.5°	214.2	207.4	197.6	188.5	182.5	178.0	176.5	175.0	175.0	175.7	175.7
20°	226.3	218.7	206.6	196.8	189.3	184.0	182.5	181.8	181.8	182.5	182.5
22.5°	239.8	230.8	215.7	204.4	196.8	193.1	190.1	190.1	190.1	190.8	191.6
25°	257.9	245.1	227.0	214.2	205.1	200.6	199.1	199.1	199.1	200.6	200.6
27.5°	276.8	263.2	239.8	224.0	214.9	210.4	208.2	208.9	209.7	210.4	210.4
30°	298.7	282.8	254.2	237.6	226.3	221.0	218.7	219.5	220.2	221.7	220.2
32.5°	325.8	306.2	273.8	251.9	239.1	233.8	232.3	233.0	233.0	233.0	233.8
35°	362.0	337.1	297.1	269.2	256.4	248.9	247.4	247.4	247.4	246.6	246.6
37.5°	397.5	365.8	320.5	292.6	276.0	267.0	262.5	262.5	262.5	262.5	262.5
40°	438.9	402.0	350.7	317.5	297.9	286.6	280.6	278.3	277.5	276.8	275.3
42.5°	492.5	450.2	385.4	344.7	321.3	309.2	300.2	295.6	292.6	291.9	289.6
45°	564.1	512.1	437.4	384.6	350.7	334.1	323.5	314.5	309.2	307.7	303.9
47.5°	616.9	556.6	473.6	419.3	383.9	362.8	346.9	334.9	327.3	323.5	321.3
50°	672.0	615.4	524.2	457.0	420.8	396.7	376.3	359.7	346.2	340.9	340.1
52.5°	792.6	717.2	593.5	510.6	458.5	431.4	410.3	390.7	369.5	360.5	362.8
55°	830.3	751.9	636.5	562.6	509.1	477.4	447.2	421.6	397.5	381.6	382.4
57.5°	834.9	754.9	645.6	580.0	543.8	518.1	491.7	456.3	426.9	405.0	404.2
60°	828.8	749.7	643.3	577.7	550.5	543.0	526.4	495.5	453.3	427.6	424.6
62.5°	876.4	791.9	667.4	586.0	552.1	549.0	543.8	525.7	482.7	449.5	444.2
65°	885.4	797.2	680.3	607.9	576.2	564.9	558.8	537.7	509.8	467.6	463.8
67.5°	834.1	754.9	645.6	580.7	561.1	564.9	566.4	550.5	519.6	486.4	478.9
70°	773.0	693.8	599.6	537.0	523.4	530.9	545.3	545.3	522.6	494.7	495.5
72.5°	681.8	617.7	531.7	486.4	472.9	482.7	499.3	512.1	506.1	496.2	497.0
75°	583.7	527.9	457.0	423.8	414.0	426.1	442.7	457.8	466.8	473.6	478.1
77.5°	480.4	438.9	379.4	347.7	347.7	359.0	374.8	388.4	403.5	420.8	423.8
80°	369.5	336.4	292.6	270.7	273.0	282.1	298.7	310.7	319.8	334.9	337.1
82.5°	260.9	241.3	204.4	188.5	192.3	204.4	211.9	220.2	227.0	230.8	235.3
85°	153.9	138.8	122.2	116.9	116.9	121.4	131.2	132.7	133.5	134.2	133.5
87.5°	38.5	42.2	36.2	35.4	35.4	38.5	37.0	40.0	40.0	41.5	38.5
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)