

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: P198413

Luminaire Tested: **TT-C3-LED-E1-WQ-CG-MS/DIM-8030-UPL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198413
REPORT IS FROM IESNA LM-79-08 TEST DATA - UPLIGHT (P27139) AND DOWNLIGHT
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C3-LED-E1-WQ-CG-MS/DIM-8030-UPL
Description: TOPTIER LED PARKING GARAGE LUMINAIRE WITH UPLIGHT
WIDE DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5457.1 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.12' x H: 0.1')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U4 - G1

Input Watts (W): 62.4
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: 25 FT



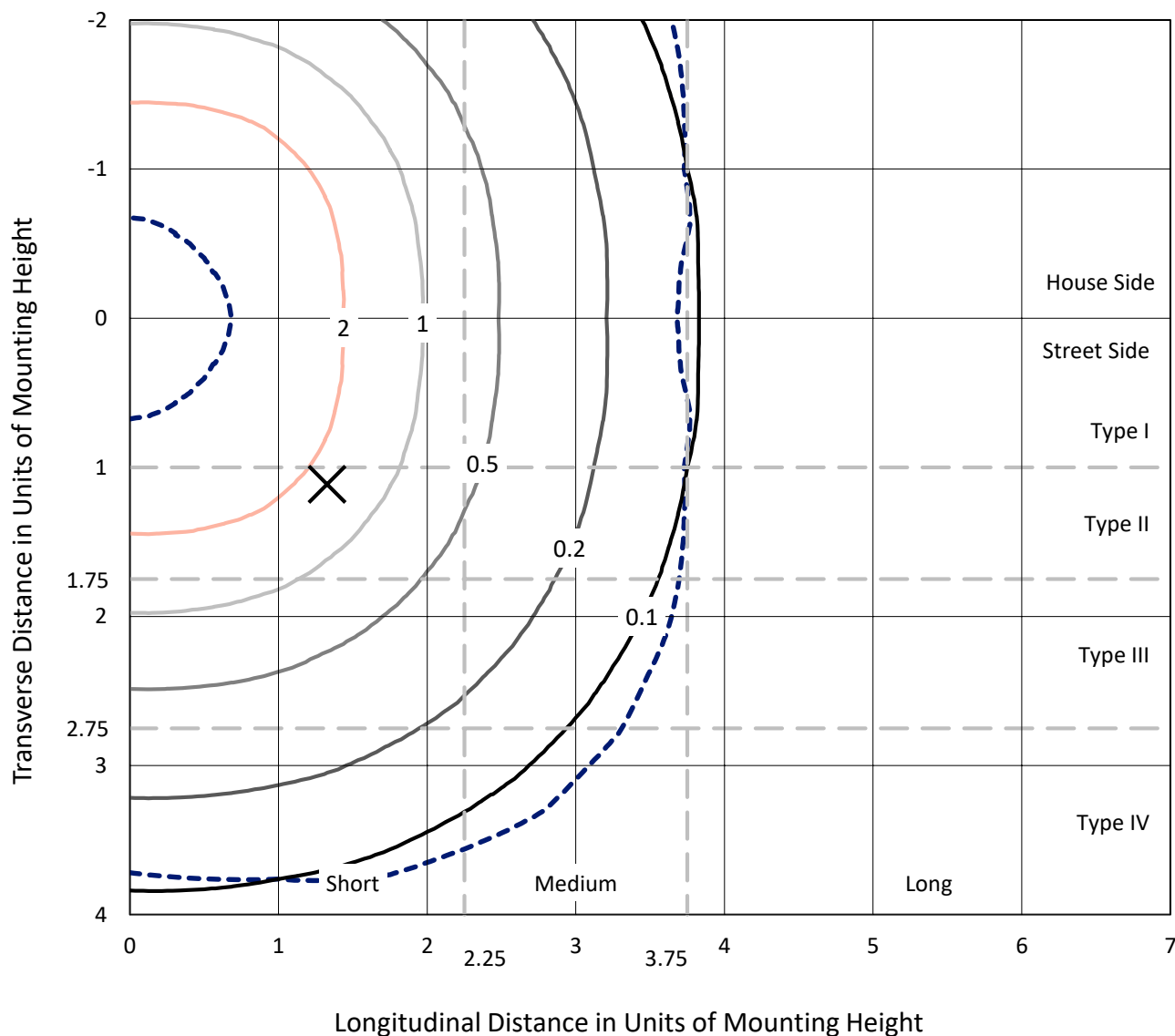
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

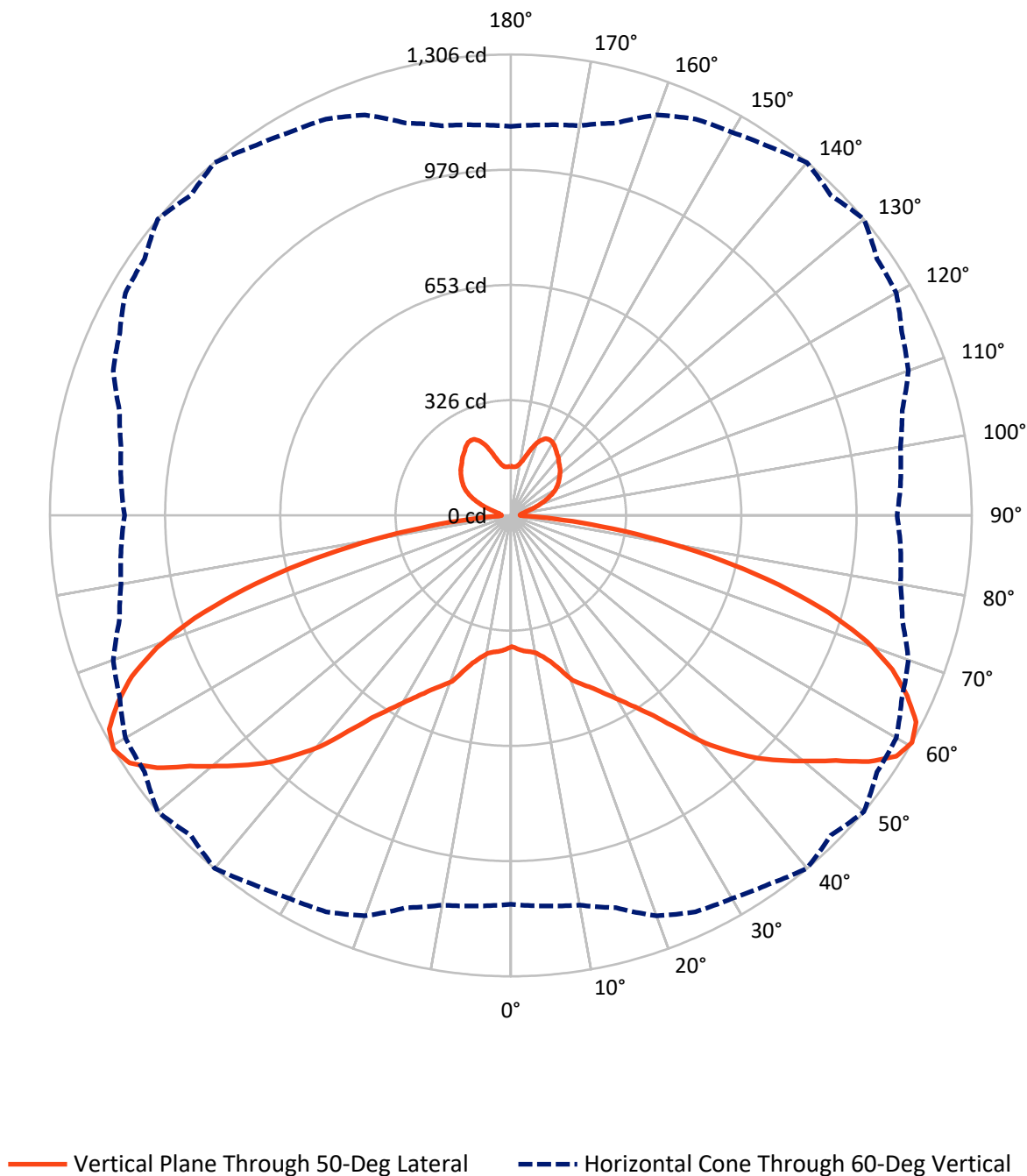


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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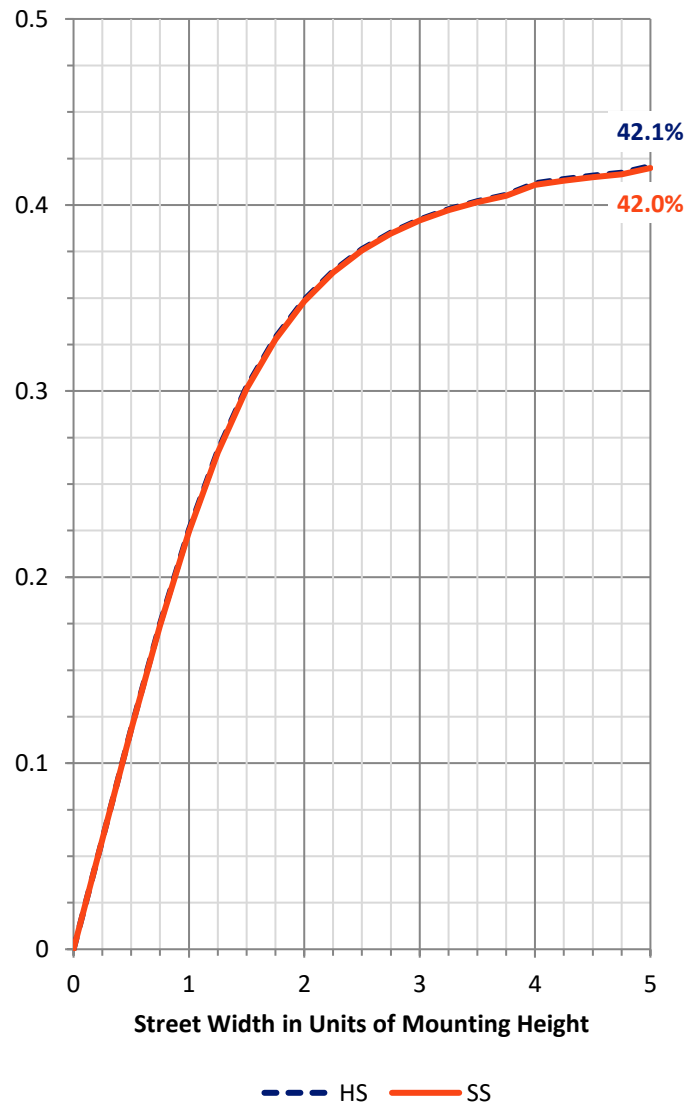
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2316.6	412.0	2728.6
	% Fixture	42.5	7.5	50.0
Street Side	Lumens	2316.6	412.0	2728.6
	% Fixture	42.5	7.5	50.0
Total	Lumens	4633.2	824.0	5457.1
	% Fixture	84.9	15.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.0	0.7
10°-20°	124.9	2.3
20°-30°	252.1	4.6
30°-40°	435.8	8.0
40°-50°	723.8	13.3
50°-60°	1028.6	18.8
60°-70°	1123.6	20.6
70°-80°	746.4	13.7
80°-90°	161.1	3.0
90°-100°	38.3	0.7
100°-110°	59.4	1.1
110°-120°	119.3	2.2
120°-130°	148.7	2.7
130°-140°	153.2	2.8
140°-150°	136.0	2.5
150°-160°	103.7	1.9
160°-170°	51.8	0.9
170°-180°	13.6	0.2
0°-90°	4633.2	84.9
0°-180°	5457.1	100.0

Coefficient of Utilization



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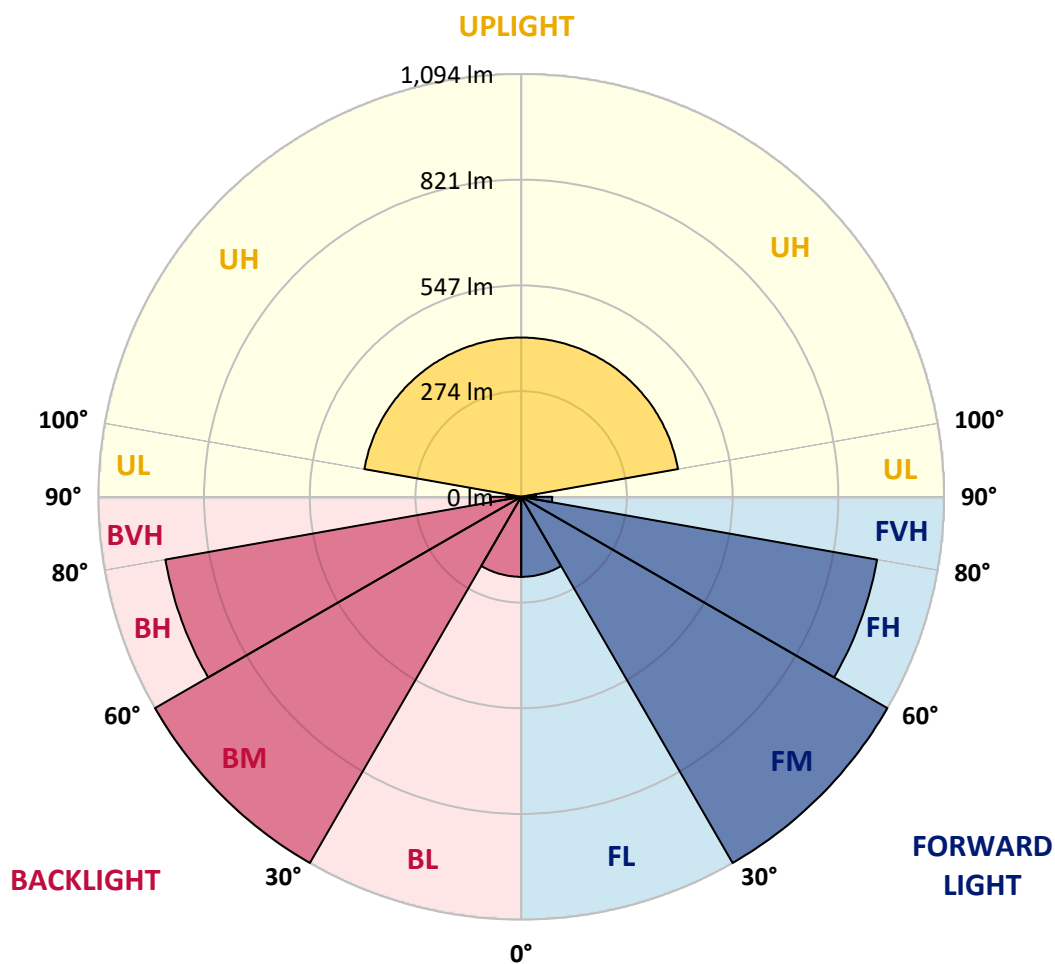
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	207.0	3.8			
FM	(30°-60°)	1094.1	20.0			
FH	(60°-80°)	935.0	17.1			G1/1800
FVH	(80°-90°)	80.5	1.5			G1/100
BL	(0°-30°)	207.0	3.8	B1/500		
BM	(30°-60°)	1094.1	20.0	B2/2500		
BH	(60°-80°)	935.0	17.1	B2/1000		G1/1800
BVH	(80°-90°)	80.5	1.5			G1/100
UL	(90°-100°)	38.3	0.7		U2/50	
UH	(100°-180°)	412.0	7.5		U3/500	

BUG Rating: B2-U4-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	371.4	371.4	371.4	371.4	371.4	371.4	371.4	371.4	371.4	371.4	371.4
2.5°	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0	378.1	379.0	379.0
5°	382.9	382.9	382.9	383.8	383.8	383.8	384.8	384.8	384.8	385.7	385.7
7.5°	385.7	385.7	385.7	385.7	386.7	386.7	386.7	387.7	387.7	388.6	389.6
10°	398.2	398.2	398.2	398.2	398.2	397.2	397.2	397.2	396.3	396.3	396.3
12.5°	413.5	414.5	415.4	415.4	415.4	415.4	413.5	411.6	411.6	411.6	411.6
15°	427.9	428.8	429.8	431.7	432.7	433.6	433.6	433.6	433.6	433.6	431.7
17.5°	450.8	451.8	451.8	452.8	453.7	453.7	454.7	457.5	461.4	463.3	461.4
20°	486.3	488.2	489.1	489.1	490.1	489.1	491.0	493.0	495.8	497.7	498.7
22.5°	512.1	514.0	516.9	516.9	516.9	515.9	517.8	518.8	517.8	517.8	519.8
25°	532.2	534.1	536.0	537.0	538.9	542.7	546.6	546.6	543.7	542.7	542.7
27.5°	558.0	560.9	560.9	561.9	563.8	566.7	570.5	573.4	575.3	573.4	572.4
30°	591.5	593.5	594.4	593.5	597.3	598.2	599.2	601.1	606.9	610.7	605.9
32.5°	617.4	620.3	623.1	627.0	635.6	639.4	638.4	640.4	642.3	646.1	647.1
35°	656.6	661.4	662.4	665.2	675.8	681.5	690.1	694.9	694.0	689.2	695.9
37.5°	716.0	721.7	722.7	727.5	738.0	742.8	752.4	764.8	767.7	761.0	764.8
40°	778.2	785.9	792.6	803.1	820.3	826.1	837.5	844.2	853.8	854.8	848.1
42.5°	830.8	839.5	839.5	857.6	876.8	893.1	907.4	908.4	915.1	924.6	915.1
45°	887.3	894.0	896.9	912.2	923.7	944.7	965.8	973.5	976.3	978.3	981.1
47.5°	939.0	947.6	950.5	963.9	976.3	995.5	1008.9	1031.9	1037.6	1029.9	1037.6
50°	971.5	981.1	988.8	1016.5	1038.6	1054.8	1066.3	1086.4	1097.9	1092.2	1093.1
52.5°	1022.3	1025.2	1032.8	1048.1	1079.7	1123.7	1137.1	1143.8	1160.1	1168.7	1153.4
55°	1091.2	1100.8	1106.5	1124.7	1141.0	1172.6	1223.3	1233.8	1230.0	1256.8	1230.9
57.5°	1102.7	1117.0	1135.2	1169.7	1198.4	1215.6	1247.2	1283.6	1282.6	1286.5	1287.4
60°	1101.7	1110.3	1120.9	1150.5	1207.0	1238.6	1253.0	1275.0	1304.7	1281.7	1305.6
62.5°	1095.0	1107.5	1119.0	1140.0	1170.6	1215.6	1255.8	1253.0	1293.2	1275.0	1288.4
65°	1054.8	1066.3	1087.4	1115.1	1152.5	1173.5	1213.7	1239.6	1233.8	1258.7	1233.8
67.5°	985.0	995.5	1012.7	1045.3	1084.5	1115.1	1129.5	1172.6	1167.8	1195.5	1165.9
70°	889.2	902.6	922.7	945.7	984.0	1016.5	1032.8	1060.6	1074.0	1072.1	1070.1
72.5°	774.4	785.9	802.1	827.0	859.6	891.1	903.6	924.6	946.7	940.0	941.9
75°	646.1	655.7	668.1	683.4	714.1	739.0	753.3	772.5	789.7	784.9	783.0
77.5°	497.7	509.2	522.6	537.0	549.4	572.4	582.9	596.3	610.7	607.8	608.8
80°	348.4	358.0	366.6	381.9	391.5	399.1	410.6	416.4	426.9	425.0	427.9
82.5°	212.5	219.2	224.9	232.6	241.2	239.3	240.3	247.0	255.6	250.8	258.4
85°	104.3	103.4	109.1	111.0	116.8	115.8	114.9	118.7	123.5	120.6	120.6
87.5°	26.8	26.8	26.8	27.8	30.6	33.5	30.6	32.5	34.5	35.4	34.5
90°	36.0	36.0	36.0	36.0	35.0	34.0	31.0	29.0	27.0	26.0	26.0
92.5°	40.0	39.0	39.0	38.0	36.0	34.0	32.0	29.0	27.0	27.0	27.0
95°	44.0	43.0	42.0	41.0	38.0	36.0	34.0	32.0	31.0	30.0	30.0
97.5°	42.0	42.0	41.0	40.0	38.0	37.0	36.0	35.0	34.0	33.0	32.0
100°	45.0	45.0	45.0	44.0	42.0	40.0	39.0	38.0	36.0	36.0	35.0
102.5°	51.0	51.0	50.0	49.0	47.0	46.0	45.0	44.0	42.0	42.0	42.0
105°	60.0	60.0	59.0	57.0	55.0	54.0	53.0	53.0	51.0	52.0	52.0
107.5°	72.0	72.0	72.0	70.0	68.0	67.0	66.0	66.0	66.0	68.0	68.0
110°	86.0	86.0	87.0	89.0	86.0	85.0	85.0	86.0	86.0	87.0	86.0

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CATALOG NUMBER: TT-C3-LED-E1-WQ-CG-MS/DIM-8030-UPL

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	101.0	102.0	104.0	108.0	106.0	107.0	107.0	110.0	108.0	107.0	103.0
115°	121.0	122.0	123.0	128.0	126.0	128.0	127.0	129.0	126.0	124.0	120.0
117.5°	140.0	141.0	141.0	144.0	141.0	141.0	140.0	141.0	138.0	136.0	135.0
120°	152.0	153.0	154.0	155.0	151.0	149.0	147.0	149.0	147.0	147.0	148.0
122.5°	161.0	162.0	163.0	164.0	159.0	154.0	153.0	155.0	156.0	158.0	158.0
125°	169.0	169.0	170.0	172.0	168.0	163.0	160.0	165.0	166.0	168.0	167.0
127.5°	177.0	177.0	179.0	181.0	177.0	171.0	170.0	176.0	177.0	178.0	175.0
130°	187.0	188.0	190.0	191.0	185.0	179.0	179.0	186.0	187.0	186.0	183.0
132.5°	198.0	199.0	200.0	201.0	193.0	186.0	187.0	193.0	195.0	195.0	191.0
135°	210.0	210.0	211.0	209.0	199.0	192.0	193.0	199.0	202.0	201.0	197.0
137.5°	221.0	219.0	217.0	213.0	203.0	197.0	198.0	205.0	207.0	208.0	203.0
140°	229.0	226.0	222.0	216.0	205.0	200.0	201.0	207.0	210.0	213.0	212.0
142.5°	235.0	231.0	225.0	218.0	206.0	201.0	202.0	208.0	212.0	218.0	218.0
145°	235.0	230.0	225.0	218.0	207.0	202.0	204.0	211.0	215.0	223.0	225.0
147.5°	230.0	227.0	223.0	219.0	210.0	207.0	209.0	216.0	220.0	229.0	233.0
150°	224.0	221.0	219.0	220.0	215.0	214.0	216.0	222.0	227.0	235.0	239.0
152.5°	216.0	214.0	216.0	221.0	220.0	220.0	224.0	230.0	234.0	241.0	241.0
155°	208.0	207.0	211.0	219.0	222.0	224.0	229.0	237.0	239.0	243.0	239.0
157.5°	203.0	203.0	207.0	216.0	220.0	224.0	229.0	234.0	232.0	235.0	230.0
160°	199.0	198.0	203.0	210.0	212.0	213.0	216.0	219.0	216.0	219.0	216.0
162.5°	185.0	184.0	188.0	193.0	194.0	193.0	196.0	198.0	195.0	198.0	196.0
165°	169.0	167.0	169.0	173.0	173.0	173.0	175.0	176.0	174.0	177.0	175.0
167.5°	154.0	152.0	153.0	156.0	156.0	155.0	157.0	159.0	157.0	159.0	158.0
170°	142.0	141.0	142.0	145.0	144.0	144.0	146.0	147.0	146.0	147.0	147.0
172.5°	137.0	135.0	136.0	139.0	139.0	138.0	140.0	141.0	140.0	141.0	140.0
175°	136.0	134.0	135.0	137.0	137.0	137.0	138.0	139.0	138.0	139.0	138.0
177.5°	137.0	136.0	136.0	139.0	138.0	138.0	139.0	140.0	139.0	139.0	138.0
180°	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	371.4	371.4	371.4	371.4	371.4	371.4	371.4	371.4
2.5°	378.1	379.0	378.1	379.0	379.0	379.0	379.0	378.1
5°	385.7	384.8	384.8	384.8	383.8	382.9	382.9	382.9
7.5°	389.6	389.6	388.6	387.7	386.7	386.7	388.6	387.7
10°	398.2	399.1	400.1	401.1	400.1	399.1	399.1	398.2
12.5°	411.6	412.5	414.5	416.4	416.4	415.4	413.5	412.5
15°	430.7	429.8	430.7	432.7	432.7	429.8	426.9	426.0
17.5°	457.5	454.7	452.8	452.8	454.7	451.8	448.9	449.9
20°	494.9	490.1	489.1	486.3	489.1	489.1	484.3	484.3
22.5°	521.7	517.8	514.0	511.1	515.0	516.9	512.1	508.3
25°	546.6	545.6	539.9	537.0	537.0	537.9	531.2	532.2
27.5°	571.4	571.4	567.6	562.8	560.9	563.8	558.0	556.1
30°	601.1	598.2	601.1	594.4	589.6	592.5	592.5	588.7
32.5°	639.4	635.6	638.4	630.8	624.1	623.1	618.3	612.6
35°	694.0	684.4	679.6	675.8	662.4	661.4	660.5	655.7
37.5°	762.9	750.4	739.9	740.9	721.7	716.9	716.9	710.2
40°	845.2	837.5	822.2	816.5	797.3	784.9	783.9	771.5
42.5°	902.6	905.5	885.4	872.0	856.7	837.5	838.5	825.1
45°	965.8	960.1	941.9	919.9	913.2	892.1	893.1	879.7
47.5°	1026.1	1005.1	995.5	971.5	961.0	937.1	940.0	930.4
50°	1085.5	1062.5	1052.0	1026.1	1008.9	984.0	981.1	961.0
52.5°	1148.6	1126.6	1112.3	1074.9	1052.0	1032.8	1025.2	1015.6
55°	1230.9	1208.9	1173.5	1137.1	1119.9	1090.2	1087.4	1074.9
57.5°	1267.3	1250.1	1212.8	1188.8	1154.4	1123.7	1112.3	1088.3
60°	1266.4	1260.6	1222.3	1198.4	1147.7	1120.9	1108.4	1094.1
62.5°	1255.8	1249.1	1204.1	1177.3	1131.4	1108.4	1098.9	1080.7
65°	1234.8	1211.8	1171.6	1149.6	1099.8	1079.7	1058.7	1042.4
67.5°	1175.4	1127.6	1109.4	1081.6	1032.8	1011.8	991.7	975.4
70°	1064.4	1029.0	1012.7	978.3	936.1	922.7	897.8	879.7
72.5°	922.7	903.6	886.4	849.0	819.4	806.0	781.1	765.8
75°	765.8	754.3	730.3	702.6	675.8	671.0	644.2	638.4
77.5°	594.4	583.9	564.7	544.6	532.2	522.6	498.7	496.8
80°	416.4	409.7	394.4	385.7	377.1	368.5	352.2	350.3
82.5°	246.0	241.2	242.2	233.6	228.8	226.9	214.4	215.4
85°	118.7	114.9	114.9	114.9	110.1	109.1	101.5	102.4
87.5°	34.5	30.6	30.6	30.6	28.7	28.7	24.9	25.8
90°	28.0	30.0	32.0	33.0	34.0	34.0	34.0	34.0
92.5°	28.0	30.0	32.0	33.0	35.0	36.0	36.0	36.0
95°	30.0	32.0	34.0	35.0	37.0	38.0	39.0	38.0
97.5°	33.0	34.0	34.0	35.0	36.0	36.0	36.0	36.0
100°	36.0	37.0	38.0	38.0	38.0	38.0	37.0	37.0
102.5°	43.0	44.0	44.0	42.0	42.0	41.0	41.0	41.0
105°	54.0	54.0	53.0	51.0	49.0	48.0	48.0	49.0
107.5°	68.0	68.0	66.0	63.0	60.0	59.0	59.0	60.0
110°	84.0	83.0	84.0	81.0	78.0	76.0	74.0	75.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	102.0	102.0	105.0	103.0	100.0	98.0	95.0	94.0
115°	121.0	123.0	125.0	124.0	123.0	121.0	116.0	113.0
117.5°	138.0	140.0	141.0	139.0	139.0	139.0	133.0	129.0
120°	150.0	151.0	153.0	148.0	148.0	148.0	145.0	142.0
122.5°	159.0	160.0	162.0	156.0	155.0	156.0	153.0	150.0
125°	167.0	167.0	168.0	164.0	163.0	164.0	160.0	158.0
127.5°	176.0	175.0	175.0	173.0	173.0	173.0	166.0	163.0
130°	183.0	182.0	183.0	181.0	184.0	181.0	171.0	169.0
132.5°	190.0	189.0	192.0	189.0	192.0	190.0	179.0	176.0
135°	196.0	197.0	201.0	199.0	199.0	195.0	185.0	184.0
137.5°	203.0	205.0	210.0	207.0	204.0	198.0	191.0	190.0
140°	212.0	214.0	217.0	214.0	209.0	202.0	195.0	195.0
142.5°	220.0	222.0	223.0	217.0	211.0	204.0	198.0	198.0
145°	230.0	230.0	227.0	217.0	211.0	205.0	201.0	202.0
147.5°	239.0	236.0	229.0	218.0	212.0	207.0	204.0	206.0
150°	242.0	240.0	232.0	220.0	214.0	211.0	210.0	211.0
152.5°	242.0	241.0	235.0	223.0	219.0	217.0	215.0	216.0
155°	238.0	237.0	234.0	227.0	224.0	223.0	220.0	219.0
157.5°	228.0	229.0	229.0	226.0	226.0	225.0	222.0	219.0
160°	215.0	217.0	219.0	219.0	221.0	222.0	218.0	215.0
162.5°	196.0	199.0	200.0	201.0	204.0	208.0	207.0	207.0
165°	176.0	179.0	181.0	181.0	185.0	189.0	190.0	192.0
167.5°	160.0	163.0	165.0	164.0	168.0	171.0	172.0	174.0
170°	148.0	150.0	152.0	152.0	155.0	158.0	159.0	160.0
172.5°	141.0	144.0	145.0	144.0	146.0	149.0	149.0	151.0
175°	138.0	140.0	141.0	140.0	141.0	143.0	143.0	144.0
177.5°	138.0	140.0	140.0	138.0	140.0	141.0	141.0	141.0
180°	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0

(END OF REPORT)