

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: STREETWORKS

Report Number: P561085

Luminaire Tested: **SDL-PA1-80-740-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561085
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-740-U-T2R-HSS-A
Description: Springdale
(1) 70 CRI, 4000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7093.8 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U3 - G2

Input Watts (W): 82
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: 24 FT



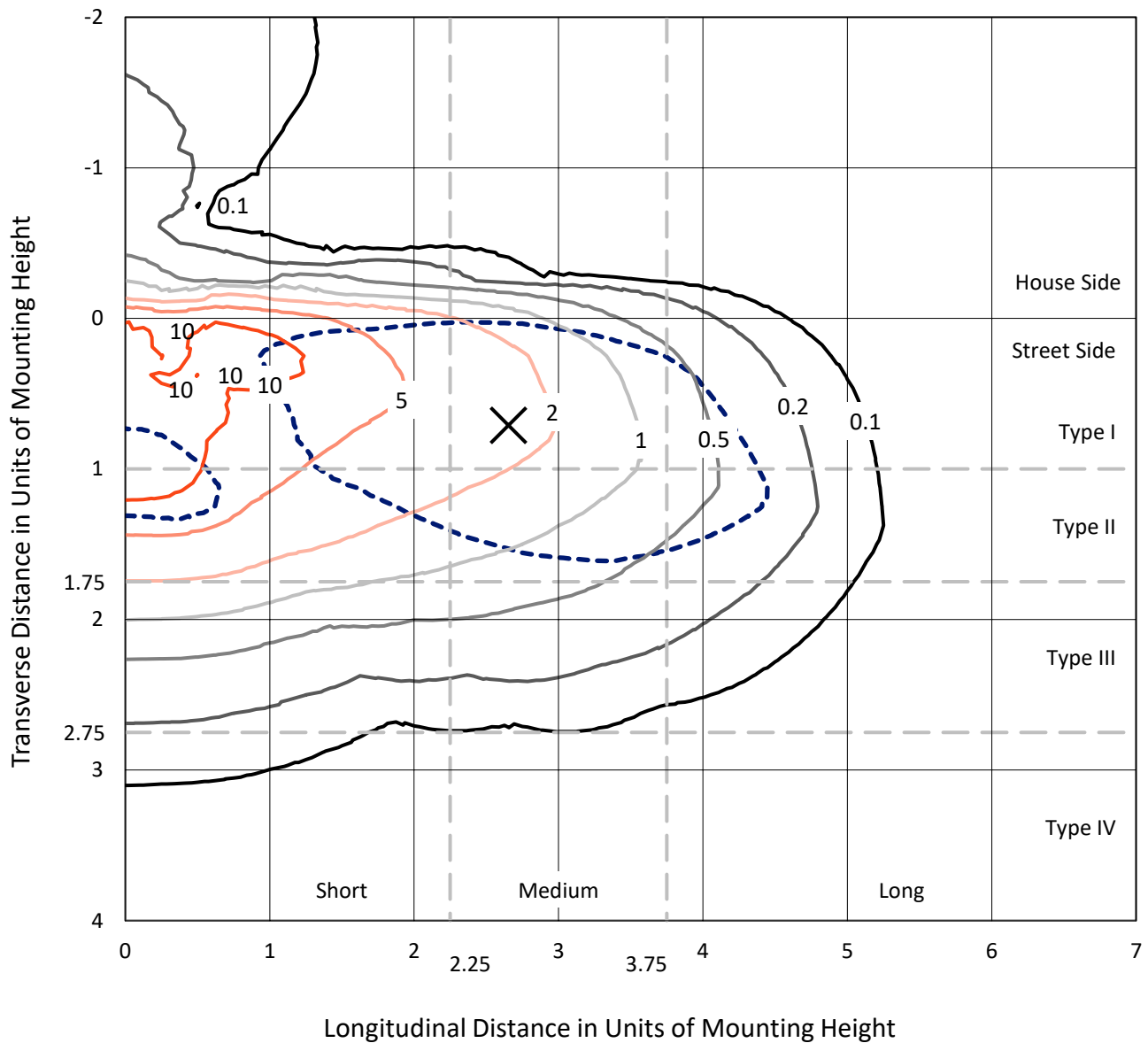
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

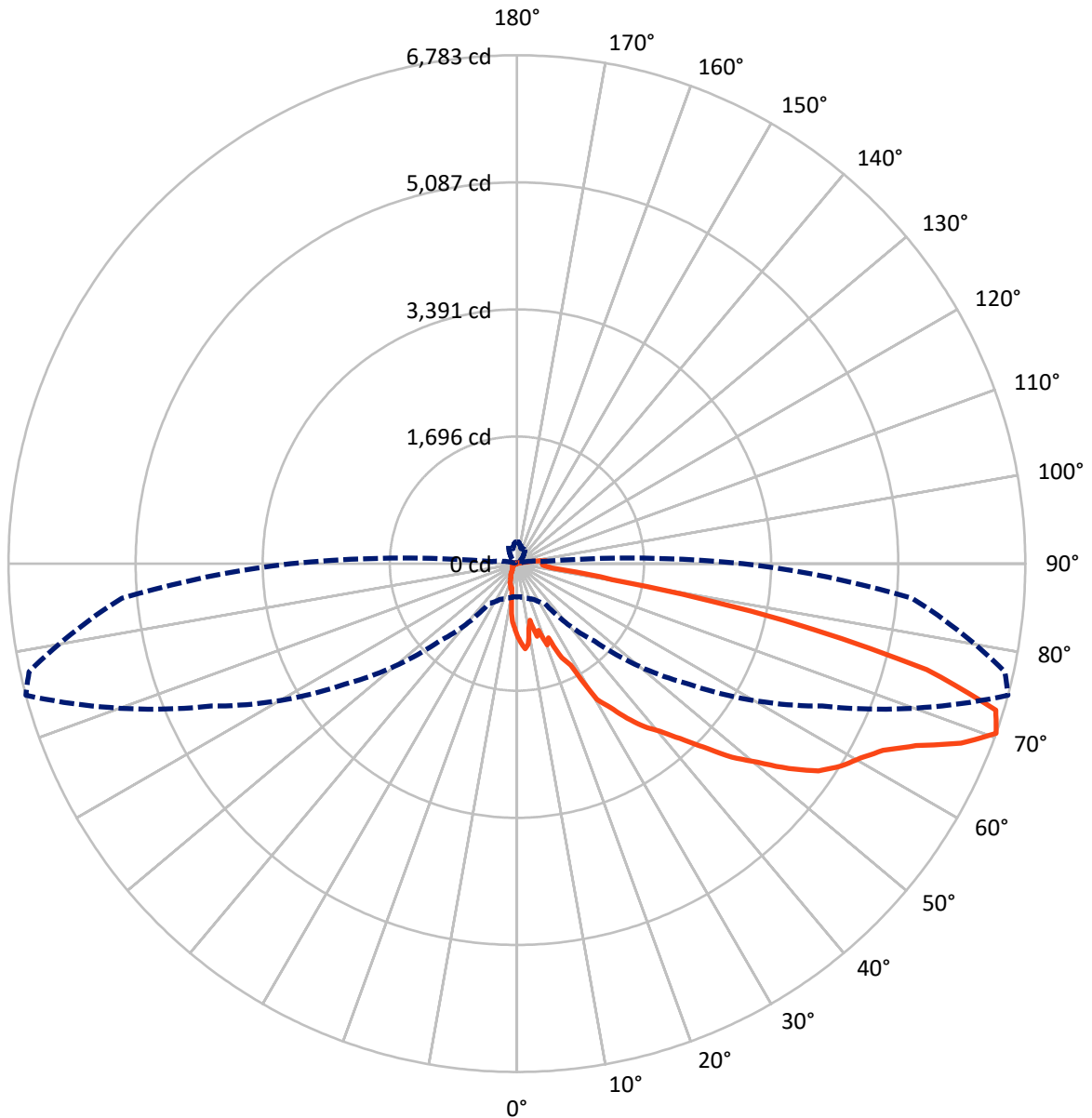
--- 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.7 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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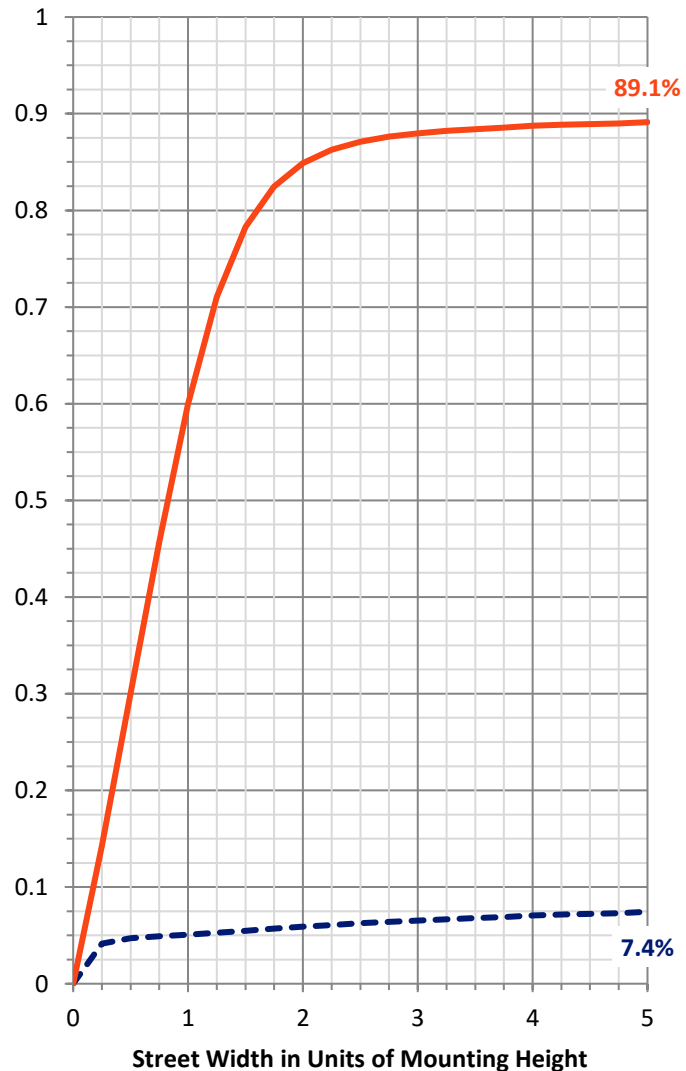
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	578.0	71.8	649.8
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	6353.5	90.4	6443.9
	% Fixture	89.6	1.3	90.8
Total	Lumens	6931.5	162.2	7093.8
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.6	1.1
10°-20°	187.1	2.6
20°-30°	351.1	4.9
30°-40°	787.8	11.1
40°-50°	1296.6	18.3
50°-60°	1589.3	22.4
60°-70°	1488.5	21.0
70°-80°	969.4	13.7
80°-90°	185.2	2.6
90°-100°	106.2	1.5
100°-110°	23.9	0.3
110°-120°	12.2	0.2
120°-130°	10.2	0.1
130°-140°	5.0	0.1
140°-150°	2.5	0.0
150°-160°	2.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6931.5	97.7
0°-180°	7093.8	100.0



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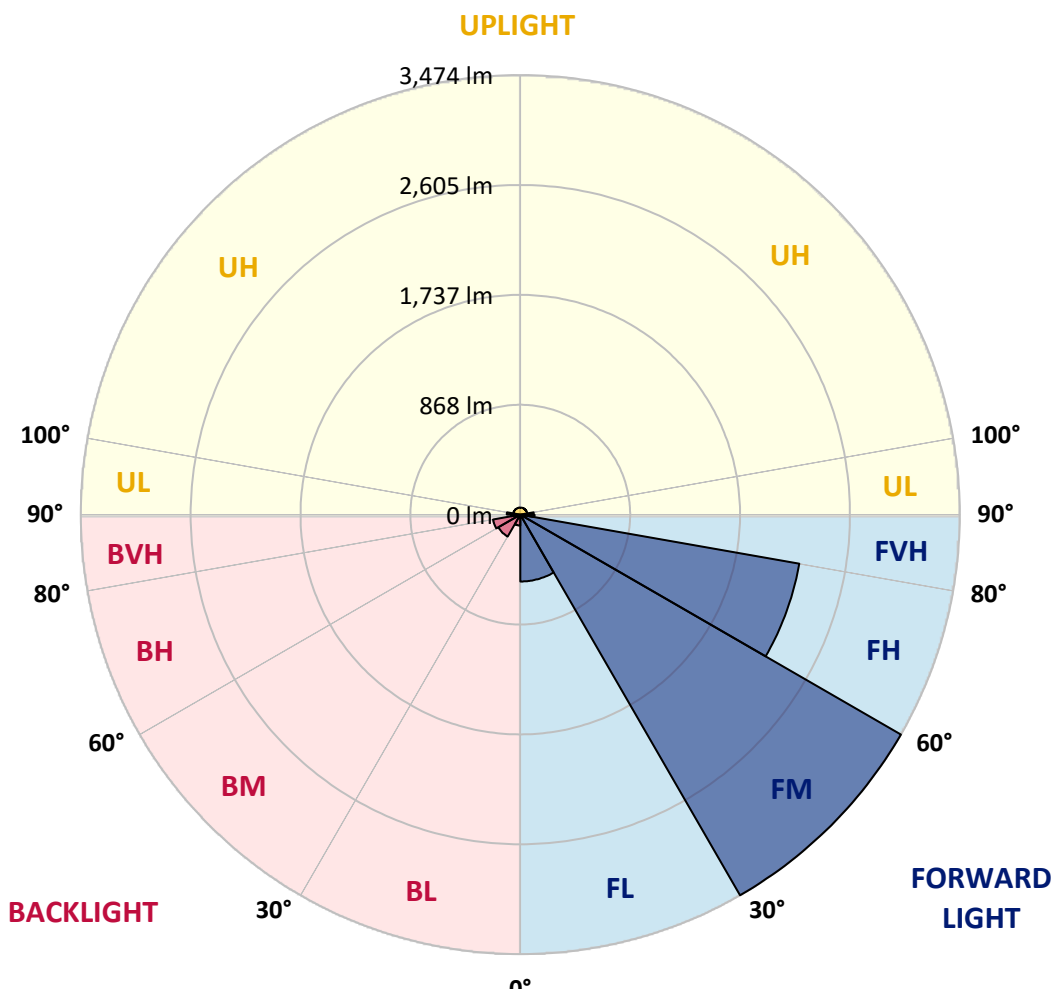
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	528.5	7.4			
FM	(30°-60°)	3473.9	49.0			
FH	(60°-80°)	2239.0	31.6			G2/5000
FVH	(80°-90°)	112.1	1.6			G2/225
BL	(0°-30°)	86.3	1.2	B0/110		
BM	(30°-60°)	199.8	2.8	B0/220		
BH	(60°-80°)	218.8	3.1	B1/500		G1/500
BVH	(80°-90°)	73.1	1.0			G1/100
UL	(90°-100°)	106.2	1.5		U3/500	
UH	(100°-180°)	56.0	0.8		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	965.1	965.1	965.1	965.1	965.1	965.1	965.1	965.1	965.1	965.1	965.1
2.5°	1076.8	1144.5	1164.8	1198.7	1215.6	1195.3	1158.1	1110.7	1059.9	1046.3	1002.3
5°	1222.4	1208.9	1198.7	1198.7	1178.4	1134.4	1093.7	1219.0	1141.1	1124.2	1036.2
7.5°	1110.7	1215.6	1293.5	1300.3	1290.1	1256.3	1198.7	1070.0	1087.0	1066.6	958.3
10°	1344.3	1347.7	1334.1	1344.3	1249.5	1202.1	1015.9	938.0	877.0	958.3	860.1
12.5°	1114.0	1280.0	1374.8	1408.6	1290.1	1134.4	1039.6	998.9	775.4	755.1	778.8
15°	1361.2	1368.0	1378.2	1344.3	1046.3	1188.5	965.1	890.6	1005.7	978.6	961.7
17.5°	1076.8	1090.3	1320.6	1307.1	1212.2	941.4	1147.9	1022.6	934.6	900.7	877.0
20°	1371.4	1374.8	1371.4	1039.6	1131.0	1266.4	1080.2	1046.3	1158.1	1144.5	1083.6
22.5°	1151.3	1151.3	1229.2	1334.1	1188.5	1269.8	1100.5	1303.7	1076.8	1070.0	805.9
25°	1591.5	1591.5	1537.3	1178.4	1347.7	1195.3	1307.1	1171.6	1391.7	1344.3	1208.9
27.5°	1547.5	1500.1	1415.4	1486.5	1303.7	1496.7	1266.4	1429.0	1533.9	1578.0	1506.8
30°	2150.2	2150.2	2058.8	1591.5	1527.2	1445.9	1462.8	1710.0	2102.8	2109.6	1821.8
32.5°	2912.1	2857.9	2373.7	2052.0	1669.4	1815.0	1652.4	2011.4	2285.7	2275.5	1936.9
35°	3223.6	3206.7	3057.7	2519.3	1933.5	1987.7	1862.4	2126.5	2532.9	2465.1	2075.7
37.5°	3541.9	3514.8	3362.5	2783.4	2211.2	2282.3	2018.2	2295.8	2759.7	2661.5	2228.1
40°	3738.3	3741.7	3633.4	2993.4	2431.3	2468.5	2204.4	2502.4	2942.6	2962.9	2360.2
42.5°	3944.9	3941.5	3853.5	3240.6	2614.1	2661.5	2353.4	2698.8	3189.8	3213.5	2583.6
45°	4056.6	4049.9	3999.1	3409.9	2759.7	2793.6	2583.6	2939.2	3491.1	3484.4	2766.5
47.5°	4083.7	4093.9	4090.5	3575.8	2912.1	2925.6	2790.2	3115.3	3856.8	3782.3	3006.9
50°	3931.3	3938.1	3985.5	3707.9	3023.8	3037.4	2952.7	3315.1	4165.0	4076.9	3223.6
52.5°	3508.1	3548.7	3748.5	3626.6	3071.3	3122.0	3105.1	3467.4	4540.9	4432.5	3491.1
55°	2607.3	2702.2	3159.3	3321.8	3047.6	3125.4	3240.6	3745.1	4882.9	4750.8	3707.9
57.5°	2079.1	2096.0	2366.9	2813.9	2854.5	3108.5	3382.8	3914.4	5096.2	4964.1	3863.6
60°	1642.3	1669.4	1845.5	2204.4	2492.2	3006.9	3423.4	4087.1	5265.5	5153.7	4036.3
62.5°	1273.2	1269.8	1405.3	1645.7	2008.0	2793.6	3369.2	4192.1	5482.2	5397.6	4344.5
65°	887.2	887.2	1002.3	1195.3	1520.4	2411.0	3260.9	4341.1	5851.3	5827.6	4727.1
67.5°	606.1	619.7	697.6	792.4	1042.9	1960.6	3098.3	4493.4	6389.7	6278.0	5096.2
70°	443.6	443.6	474.1	524.9	650.1	1462.8	2807.1	4496.8	6782.5	6667.4	5289.2
72.5°	328.5	328.5	352.2	375.9	409.7	971.8	2302.6	4212.4	6680.9	6498.1	4896.4
75°	172.7	172.7	267.5	277.7	274.3	629.8	1699.9	3460.7	5648.1	5343.4	3833.1
77.5°	135.4	138.8	152.4	216.7	199.8	413.1	948.1	2129.9	3650.3	3277.8	2075.7
80°	98.2	94.8	118.5	138.8	118.5	240.4	447.0	934.6	1293.5	1120.8	684.0
82.5°	57.6	61.0	71.1	101.6	101.6	169.3	291.2	409.7	463.9	460.5	409.7
85°	6.8	10.2	37.2	67.7	61.0	98.2	243.8	284.4	365.7	372.5	365.7
87.5°	6.8	6.8	10.2	13.5	16.9	64.3	206.6	247.2	338.6	362.3	365.7
90°	13.5	10.2	6.8	6.8	10.2	50.8	193.0	254.0	358.9	365.7	382.6
92.5°	16.9	13.5	6.8	3.4	10.2	40.6	182.9	254.0	372.5	396.2	413.1
95°	23.7	20.3	6.8	3.4	10.2	33.9	155.8	240.4	389.4	430.0	447.0
97.5°	30.5	27.1	6.8	6.8	10.2	27.1	121.9	189.6	257.3	291.2	314.9
100°	33.9	33.9	6.8	6.8	10.2	16.9	61.0	105.0	81.3	77.9	88.0
102.5°	37.2	37.2	6.8	6.8	6.8	10.2	20.3	44.0	16.9	16.9	27.1
105°	37.2	37.2	6.8	6.8	6.8	6.8	6.8	16.9	13.5	16.9	30.5
107.5°	33.9	37.2	6.8	10.2	10.2	6.8	6.8	6.8	13.5	20.3	30.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	23.7	16.9	3.4	10.2	6.8	6.8	3.4	6.8	16.9	23.7	33.9
115°	10.2	6.8	3.4	6.8	6.8	6.8	3.4	6.8	16.9	27.1	33.9
117.5°	6.8	3.4	3.4	3.4	3.4	6.8	3.4	10.2	23.7	30.5	40.6
120°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	10.2	30.5	33.9	47.4
122.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	30.5	33.9	47.4
125°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	23.7	30.5	40.6
127.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	16.9	23.7	33.9
130°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	16.9	20.3	27.1
132.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	10.2	13.5	20.3
135°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	13.5
137.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
140°	3.4	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
142.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
145°	3.4	3.4	3.4	3.4	6.8	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	3.4	3.4	3.4	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4
150°	6.8	10.2	16.9	13.5	6.8	3.4	6.8	3.4	3.4	3.4	3.4
152.5°	16.9	16.9	13.5	13.5	3.4	3.4	6.8	6.8	3.4	3.4	3.4
155°	13.5	13.5	10.2	3.4	3.4	3.4	3.4	6.8	10.2	13.5	10.2
157.5°	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4
160°	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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°	965.1	965.1	965.1	965.1	965.1	965.1	965.1	965.1	965.1	965.1	965.1
2.5°	968.4	934.6	860.1	802.5	741.6	707.7	643.4	589.2	548.6	541.8	541.8
5°	968.4	900.7	768.7	626.4	494.4	426.7	389.4	365.7	348.8	342.0	338.6
7.5°	866.9	778.8	602.7	436.8	379.3	318.3	274.3	240.4	209.9	199.8	189.6
10°	758.5	650.1	409.7	301.4	240.4	199.8	179.5	169.3	159.1	155.8	155.8
12.5°	673.8	562.1	328.5	247.2	169.3	142.2	135.4	128.7	125.3	121.9	118.5
15°	822.8	673.8	342.0	169.3	118.5	101.6	94.8	98.2	105.0	105.0	105.0
17.5°	761.9	592.6	284.4	128.7	98.2	74.5	81.3	88.0	94.8	84.7	81.3
20°	910.9	697.6	277.7	101.6	81.3	74.5	71.1	61.0	77.9	77.9	77.9
22.5°	660.3	528.2	209.9	94.8	67.7	64.3	54.2	61.0	64.3	54.2	54.2
25°	978.6	687.4	206.6	74.5	67.7	50.8	54.2	44.0	54.2	54.2	54.2
27.5°	1212.2	812.7	182.9	77.9	57.6	50.8	40.6	44.0	40.6	40.6	40.6
30°	1442.5	914.3	165.9	77.9	54.2	40.6	37.2	33.9	40.6	40.6	40.6
32.5°	1510.2	890.6	132.1	81.3	50.8	37.2	30.5	33.9	33.9	37.2	37.2
35°	1588.1	870.2	111.7	71.1	47.4	33.9	27.1	30.5	33.9	37.2	37.2
37.5°	1662.6	836.4	101.6	64.3	40.6	30.5	23.7	27.1	71.1	77.9	77.9
40°	1757.4	795.7	94.8	57.6	33.9	23.7	20.3	54.2	64.3	74.5	74.5
42.5°	1892.9	772.0	88.0	54.2	30.5	20.3	20.3	47.4	91.4	101.6	101.6
45°	2004.6	731.4	84.7	47.4	27.1	16.9	33.9	64.3	74.5	94.8	91.4
47.5°	2143.4	694.2	81.3	44.0	23.7	16.9	37.2	67.7	94.8	108.4	108.4
50°	2292.4	673.8	77.9	40.6	23.7	16.9	64.3	64.3	77.9	121.9	121.9
52.5°	2482.1	660.3	71.1	33.9	20.3	33.9	88.0	77.9	94.8	125.3	125.3
55°	2573.5	616.3	67.7	30.5	16.9	33.9	94.8	88.0	98.2	132.1	132.1
57.5°	2654.8	572.3	61.0	30.5	16.9	44.0	101.6	111.7	94.8	115.1	128.7
60°	2729.3	528.2	54.2	27.1	16.9	54.2	111.7	155.8	132.1	155.8	155.8
62.5°	2901.9	494.4	47.4	30.5	13.5	61.0	145.6	189.6	149.0	189.6	186.2
65°	3064.5	453.7	44.0	27.1	16.9	71.1	159.1	220.1	162.5	220.1	220.1
67.5°	3128.8	403.0	40.6	27.1	16.9	81.3	159.1	243.8	193.0	247.2	250.6
70°	3017.1	331.8	37.2	30.5	20.3	91.4	165.9	260.7	206.6	287.8	287.8
72.5°	2563.3	226.9	37.2	33.9	40.6	101.6	196.4	270.9	216.7	345.4	348.8
75°	1913.2	128.7	40.6	37.2	44.0	115.1	216.7	281.1	226.9	348.8	348.8
77.5°	1090.3	88.0	40.6	44.0	54.2	115.1	226.9	291.2	223.5	342.0	335.2
80°	379.3	64.3	40.6	50.8	67.7	115.1	230.3	287.8	216.7	318.3	318.3
82.5°	257.3	54.2	40.6	50.8	81.3	121.9	226.9	270.9	193.0	267.5	257.3
85°	240.4	44.0	44.0	54.2	88.0	121.9	206.6	233.6	162.5	199.8	196.4
87.5°	237.0	40.6	50.8	57.6	94.8	111.7	176.1	193.0	132.1	162.5	159.1
90°	247.2	40.6	54.2	61.0	88.0	91.4	142.2	162.5	108.4	128.7	125.3
92.5°	264.1	40.6	57.6	67.7	77.9	67.7	115.1	128.7	91.4	98.2	94.8
95°	281.1	40.6	64.3	71.1	64.3	50.8	88.0	105.0	74.5	71.1	71.1
97.5°	186.2	30.5	67.7	71.1	54.2	37.2	67.7	81.3	44.0	37.2	37.2
100°	61.0	23.7	71.1	74.5	50.8	27.1	57.6	61.0	33.9	16.9	16.9
102.5°	27.1	23.7	64.3	64.3	44.0	20.3	40.6	44.0	23.7	6.8	6.8
105°	23.7	13.5	37.2	47.4	30.5	10.2	20.3	23.7	13.5	6.8	6.8
107.5°	27.1	13.5	20.3	27.1	13.5	10.2	10.2	10.2	6.8	6.8	6.8



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CATALOG NUMBER: SDL-PA1-80-740-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	30.5	13.5	10.2	13.5	10.2	10.2	6.8	6.8	13.5	23.7	23.7
115°	30.5	13.5	10.2	13.5	10.2	10.2	6.8	3.4	13.5	33.9	37.2
117.5°	33.9	16.9	6.8	10.2	6.8	6.8	6.8	3.4	16.9	44.0	44.0
120°	40.6	16.9	6.8	6.8	6.8	3.4	6.8	6.8	16.9	47.4	47.4
122.5°	40.6	20.3	6.8	6.8	6.8	3.4	3.4	6.8	20.3	44.0	47.4
125°	33.9	16.9	6.8	6.8	6.8	3.4	3.4	6.8	20.3	40.6	47.4
127.5°	27.1	16.9	6.8	6.8	6.8	3.4	3.4	6.8	20.3	33.9	37.2
130°	23.7	13.5	6.8	6.8	6.8	3.4	3.4	6.8	16.9	27.1	30.5
132.5°	16.9	10.2	6.8	6.8	6.8	3.4	3.4	3.4	16.9	27.1	27.1
135°	13.5	10.2	6.8	6.8	6.8	3.4	3.4	3.4	13.5	20.3	20.3
137.5°	6.8	3.4	6.8	6.8	6.8	3.4	3.4	3.4	10.2	10.2	10.2
140°	3.4	3.4	3.4	6.8	3.4	3.4	3.4	3.4	3.4	6.8	3.4
142.5°	3.4	3.4	3.4	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4
145°	3.4	3.4	3.4	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	3.4	3.4	3.4	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4
150°	3.4	3.4	3.4	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4
152.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
155°	6.8	6.8	3.4	6.8	3.4	3.4	0.0	3.4	3.4	3.4	3.4
157.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
160°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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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110°	30.5	30.5	6.8	10.2	10.2	6.8	3.4	6.8	13.5	20.3	33.9
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110°	27.1	13.5	10.2	16.9	13.5	10.2	6.8	6.8	6.8	10.2	10.2
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(END OF REPORT)