

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: LUMARK

Report Number: P600770

Luminaire Tested: **ASWPLED2S-75W-4000K**

Issue Date: 7/7/2022

Test Information

Test Method: LM-79-08
Report Number: P600770
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (20210926)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: ASWPLED2S-75W-4000K
Description: SLIM WALL PACK, WATTAGE AND CCT SELECTABLE
Light Source: (312) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10292.4 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 0.33' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

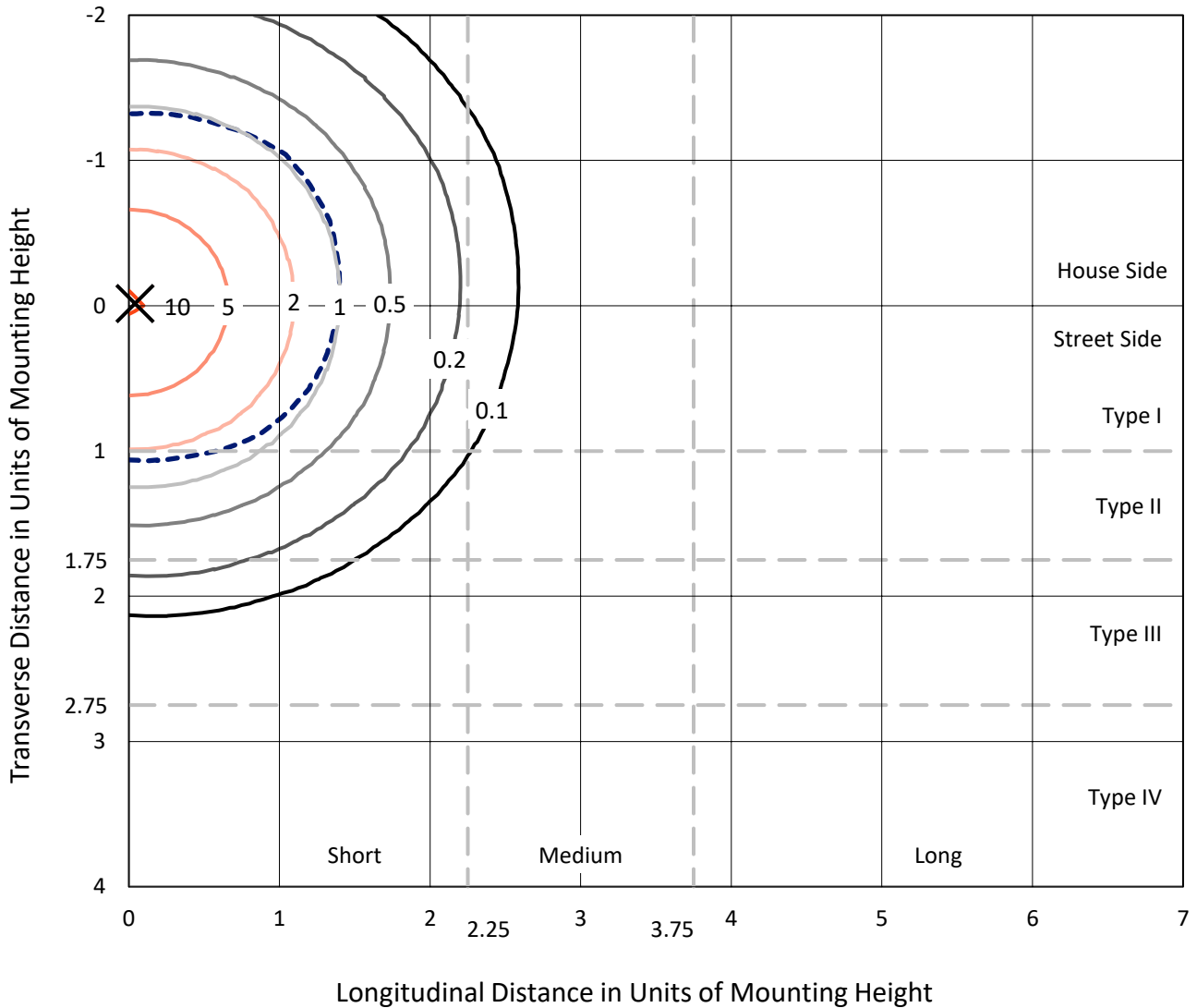
Input Watts (W): 74.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P600770
 CATALOG NUMBER: ASWPLED2S-75W-4000K

Iso-Footcandle Lines of Horizontal Illumination

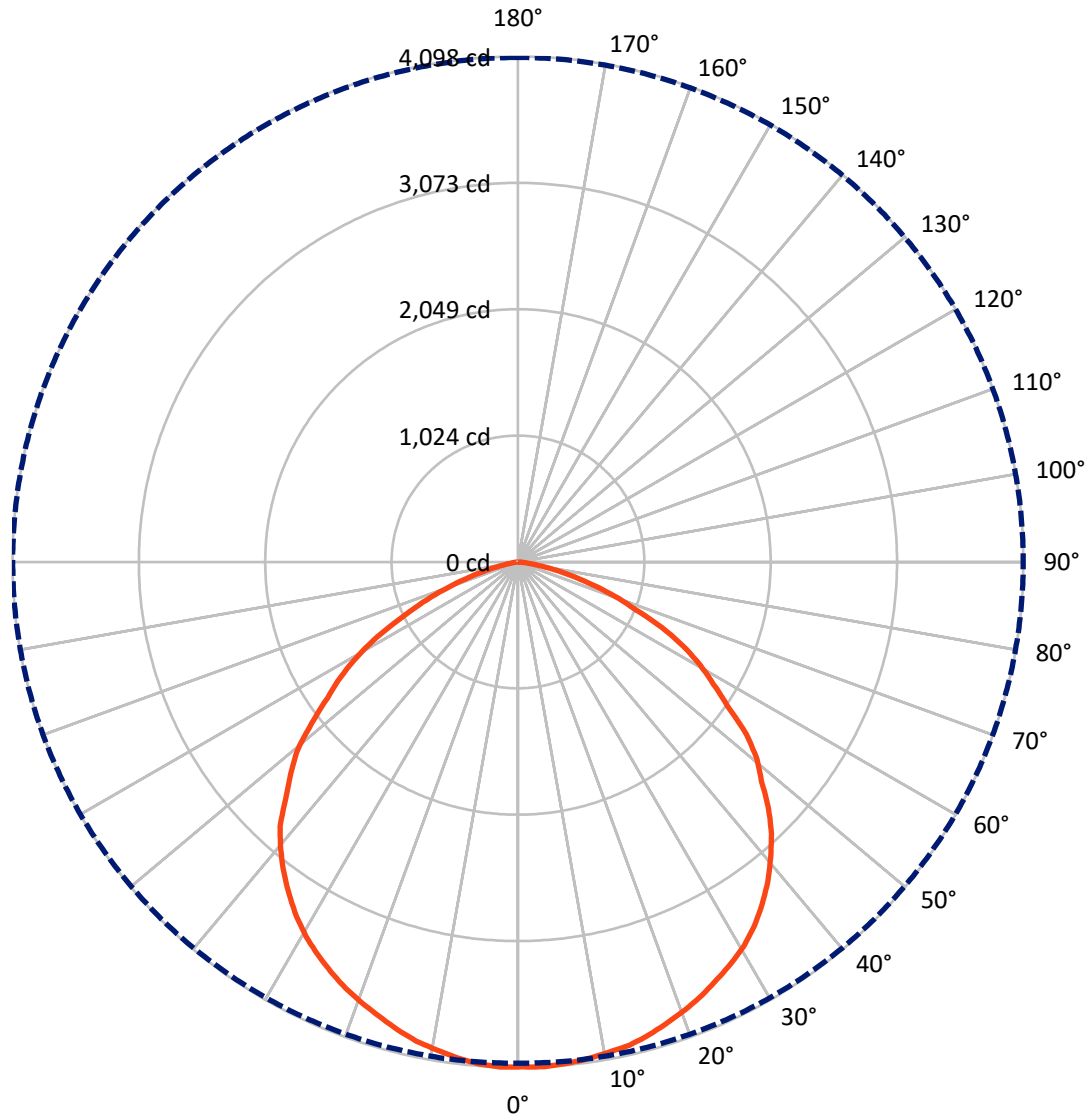
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.2 fc
 Type V - Short - N/A

REPORT NUMBER: P600770
CATALOG NUMBER: ASWPLED2S-75W-4000K

Luminous Intensity Polar Plot



— Vertical Plane Through 110-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

REPORT NUMBER: P600770
 CATALOG NUMBER: ASWPLED2S-75W-4000K

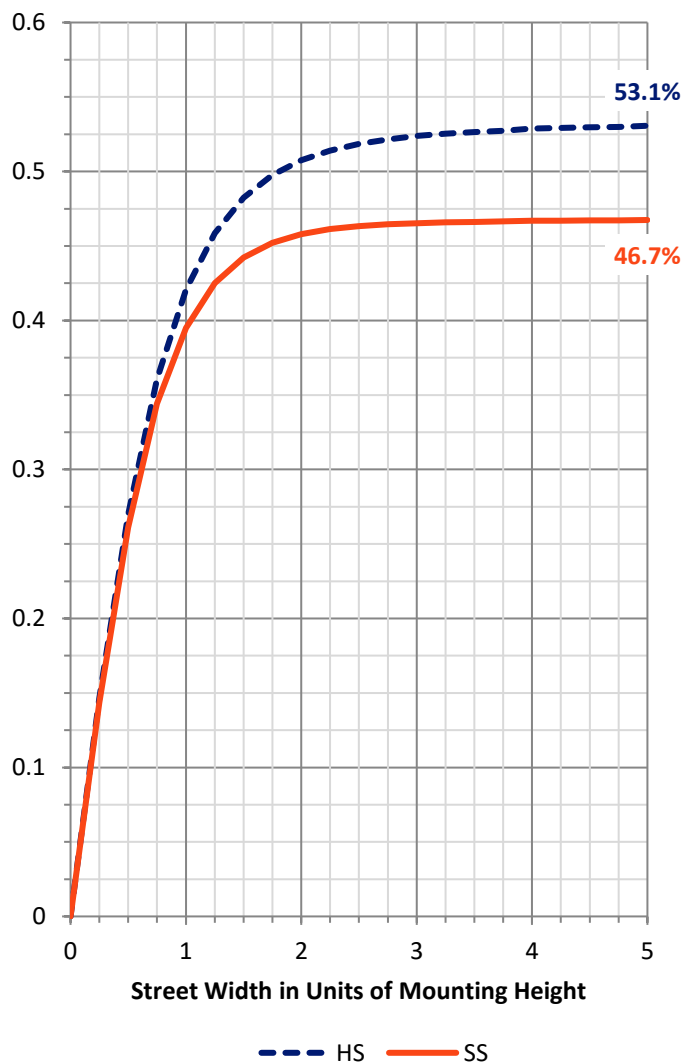
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5494.1	0.0	5494.1
	% Fixture	53.4	0.0	53.4
Street Side	Lumens	4798.3	0.0	4798.3
	% Fixture	46.6	0.0	46.6
Total	Lumens	10292.4	0.0	10292.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	386.8	3.8
10°-20°	1107.1	10.8
20°-30°	1692.0	16.4
30°-40°	2053.3	19.9
40°-50°	2043.6	19.9
50°-60°	1646.7	16.0
60°-70°	988.5	9.6
70°-80°	334.0	3.2
80°-90°	40.5	0.4
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°	10292.4	100.0
0°-180°	10292.4	100.0

Coefficient of Utilization



REPORT NUMBER: P600770

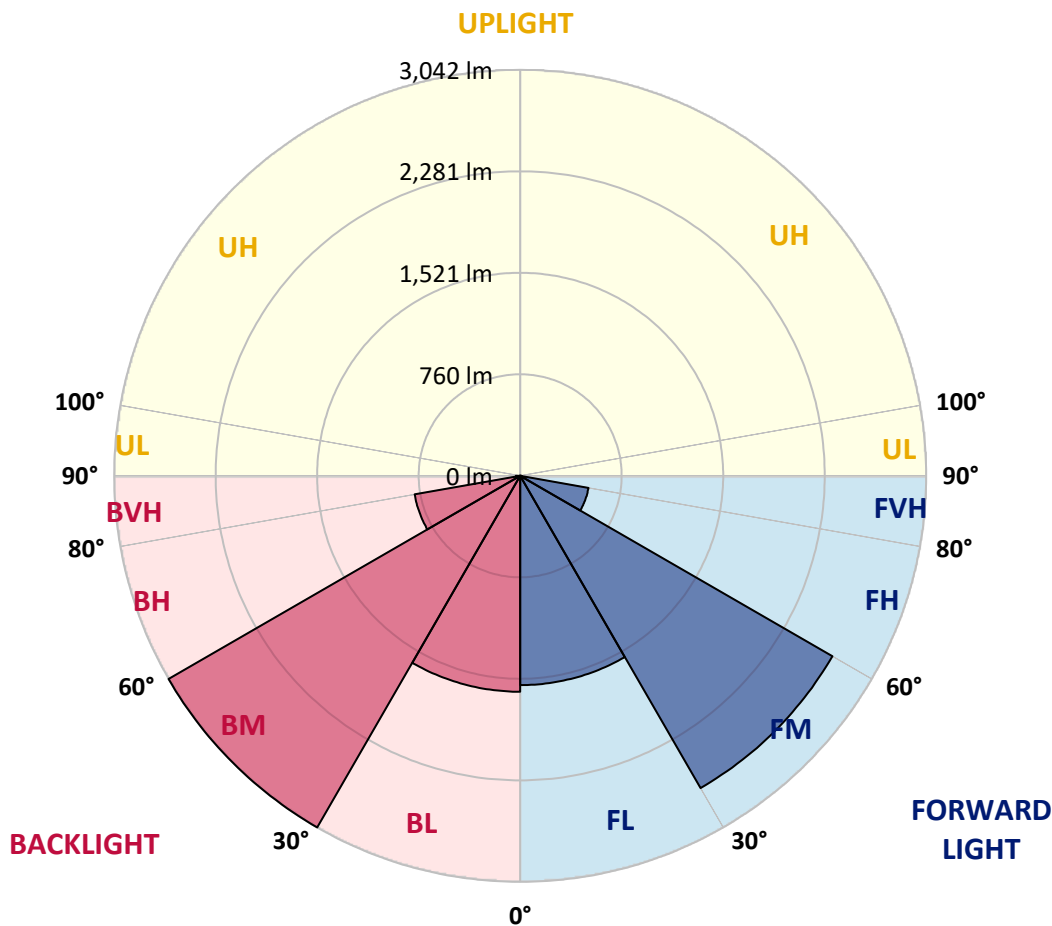
CATALOG NUMBER: ASWPLED2S-75W-4000K

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1568.1	15.2			
FM (30°-60°)	2701.6	26.2			
FH (60°-80°)	519.6	5.0			G0/660
FVH (80°-90°)	9.0	0.1			G0/10
BL (0°-30°)	1617.7	15.7	B3/2500		
BM (30°-60°)	3042.0	29.6	B3/5000		
BH (60°-80°)	802.9	7.8	B2/1000		G1/1800
BVH (80°-90°)	31.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P600770

CATALOG NUMBER: ASWPLED2S-75W-4000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4093.0	4093.0	4093.0	4093.0	4093.0	4093.0	4093.0	4093.0	4093.0	4093.0	4093.0
2.5°	4063.1	4065.9	4068.6	4071.4	4074.2	4077.2	4080.4	4083.6	4086.9	4090.1	4091.5
5°	4031.9	4034.6	4037.2	4039.9	4042.6	4046.3	4051.0	4055.7	4060.4	4065.1	4068.3
7.5°	3981.0	3983.4	3985.9	3988.3	3990.8	3995.2	4001.6	4008.0	4014.4	4020.9	4026.8
10°	3923.2	3925.3	3927.3	3929.4	3931.5	3936.4	3944.2	3952.1	3959.9	3967.7	3976.4
12.5°	3872.6	3874.3	3876.1	3877.9	3879.7	3884.3	3891.7	3899.2	3906.6	3914.1	3925.7
15°	3809.3	3811.9	3814.5	3817.2	3819.8	3825.9	3835.5	3845.2	3854.8	3864.4	3874.4
17.5°	3746.3	3748.1	3749.9	3751.7	3753.5	3759.7	3770.4	3781.1	3791.7	3802.4	3811.7
20°	3680.4	3682.7	3684.9	3687.2	3689.5	3696.1	3707.0	3718.0	3728.9	3739.9	3749.3
22.5°	3605.8	3609.3	3612.8	3616.3	3619.8	3626.5	3636.4	3646.4	3656.3	3666.3	3678.0
25°	3525.8	3529.4	3533.0	3536.7	3540.3	3546.6	3555.7	3564.8	3573.9	3583.0	3596.3
27.5°	3434.1	3439.7	3445.2	3450.8	3456.3	3463.8	3473.2	3482.6	3492.0	3501.5	3515.2
30°	3341.5	3347.6	3353.8	3359.9	3366.0	3374.1	3384.1	3394.1	3404.1	3414.1	3428.1
32.5°	3208.5	3220.3	3232.2	3244.1	3256.0	3268.0	3280.1	3292.2	3304.3	3316.4	3329.8
35°	2966.0	2996.7	3027.4	3058.1	3088.8	3115.1	3136.9	3158.7	3180.5	3202.3	3215.6
37.5°	2787.5	2803.7	2820.0	2836.2	2852.5	2885.7	2935.8	2985.9	3036.0	3086.1	3098.2
40°	2630.7	2642.5	2654.3	2666.0	2677.8	2713.4	2772.8	2832.1	2891.5	2950.9	2964.0
42.5°	2365.6	2400.8	2436.0	2471.1	2506.3	2551.7	2607.3	2662.9	2718.5	2774.1	2795.9
45°	2196.1	2211.8	2227.5	2243.2	2258.9	2296.1	2354.8	2413.5	2472.1	2530.8	2562.3
47.5°	1967.1	1996.7	2026.3	2056.0	2085.6	2126.8	2179.6	2232.5	2285.3	2338.1	2375.3
50°	1761.9	1787.9	1813.9	1839.9	1865.9	1911.1	1975.5	2039.9	2104.3	2168.7	2207.0
52.5°	1529.8	1559.0	1588.2	1617.4	1646.6	1688.2	1742.3	1796.4	1850.4	1904.5	1950.8
55°	1331.3	1350.5	1369.7	1389.0	1408.2	1446.8	1504.8	1562.8	1620.8	1678.8	1724.0
57.5°	1087.5	1116.1	1144.7	1173.2	1201.8	1240.5	1289.3	1338.1	1386.9	1435.7	1495.6
60°	870.0	897.3	924.7	952.0	979.3	1015.0	1059.0	1103.0	1147.0	1191.0	1259.8
62.5°	689.3	710.8	732.4	754.0	775.6	808.2	852.0	895.7	939.5	983.3	1048.8
65°	509.0	529.2	549.4	569.7	589.9	621.1	663.3	705.6	747.8	790.0	841.0
67.5°	347.3	363.8	380.3	396.9	413.4	440.3	477.7	515.0	552.4	589.8	642.1
70°	202.1	216.5	230.8	245.2	259.5	282.0	312.6	343.3	373.9	404.5	452.8
72.5°	148.7	151.1	153.5	155.9	158.3	171.3	195.0	218.7	242.3	266.0	304.0
75°	99.6	102.7	105.7	108.8	111.9	117.8	126.5	135.2	144.0	152.7	181.4
77.5°	58.4	60.9	63.4	65.9	68.4	71.8	76.0	80.2	84.4	88.6	105.3
80°	28.0	29.9	31.8	33.7	35.6	38.3	41.6	44.9	48.3	51.6	57.4
82.5°	9.2	10.1	11.1	12.0	12.9	14.4	16.5	18.6	20.7	22.8	25.3
85°	2.3	2.6	3.0	3.3	3.6	4.1	4.6	5.2	5.7	6.3	8.1
87.5°	1.9	1.8	1.8	1.7	1.7	1.7	1.9	2.1	2.2	2.4	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P600770

CATALOG NUMBER: ASWPLED2S-75W-4000K

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4093.0	4093.0	4093.0	4093.0	4093.0	4093.0	4093.0	4093.0	4093.0	4093.0	4093.0
2.5°	4092.9	4094.2	4095.6	4096.3	4096.2	4096.1	4096.0	4095.9	4096.3	4096.7	4097.1
5°	4071.5	4074.7	4077.9	4080.2	4081.6	4083.0	4084.4	4085.8	4085.5	4085.2	4084.9
7.5°	4032.8	4038.7	4044.7	4049.4	4053.0	4056.6	4060.2	4063.8	4064.7	4065.6	4066.5
10°	3985.0	3993.7	4002.4	4009.2	4014.3	4019.4	4024.5	4029.6	4032.6	4035.6	4038.6
12.5°	3937.4	3949.0	3960.6	3969.7	3976.1	3982.5	3988.9	3995.3	4001.4	4007.5	4013.6
15°	3884.4	3894.5	3904.5	3913.6	3921.7	3929.8	3937.9	3946.0	3954.0	3962.0	3970.0
17.5°	3820.9	3830.2	3839.4	3850.2	3862.5	3874.7	3887.0	3899.3	3906.2	3913.1	3920.0
20°	3758.7	3768.0	3777.4	3790.1	3806.1	3822.0	3838.0	3854.0	3859.2	3864.4	3869.6
22.5°	3689.7	3701.4	3713.1	3727.3	3743.9	3760.5	3777.1	3793.7	3799.7	3805.7	3811.7
25°	3609.5	3622.8	3636.1	3651.6	3669.3	3687.1	3704.8	3722.6	3729.3	3735.9	3742.6
27.5°	3528.9	3542.7	3556.4	3572.9	3592.3	3611.7	3631.0	3650.4	3658.7	3666.9	3675.2
30°	3442.0	3456.0	3469.9	3487.4	3508.3	3529.2	3550.2	3571.1	3581.2	3591.4	3601.5
32.5°	3343.3	3356.8	3370.3	3387.6	3408.7	3429.8	3450.9	3472.0	3483.4	3494.8	3506.3
35°	3228.9	3242.2	3255.5	3273.2	3295.5	3317.8	3340.1	3362.4	3374.2	3386.0	3397.9
37.5°	3110.4	3122.5	3134.7	3152.6	3176.2	3199.8	3223.4	3247.1	3257.4	3267.7	3278.0
40°	2977.1	2990.2	3003.3	3022.4	3047.6	3072.7	3097.9	3123.1	3130.8	3138.5	3146.2
42.5°	2817.7	2839.6	2861.4	2880.6	2897.0	2913.5	2929.9	2946.4	2963.3	2980.3	2997.2
45°	2593.8	2625.3	2656.8	2682.6	2702.5	2722.4	2742.4	2762.3	2783.5	2804.8	2826.0
47.5°	2412.5	2449.8	2487.0	2518.7	2544.8	2570.9	2597.1	2623.2	2631.7	2640.2	2648.7
50°	2245.2	2283.5	2321.8	2352.4	2375.4	2398.5	2421.5	2444.5	2460.9	2477.3	2493.6
52.5°	1997.2	2043.5	2089.9	2120.3	2134.8	2149.2	2163.7	2178.2	2213.5	2248.7	2284.0
55°	1769.2	1814.5	1859.7	1893.8	1916.8	1939.8	1962.8	1985.8	2004.7	2023.6	2042.5
57.5°	1555.5	1615.3	1675.2	1715.3	1735.8	1756.2	1776.7	1797.1	1815.3	1833.5	1851.6
60°	1328.6	1397.4	1466.2	1512.1	1535.0	1558.0	1580.9	1603.9	1627.3	1650.8	1674.2
62.5°	1114.3	1179.9	1245.4	1292.4	1320.9	1349.4	1377.9	1406.4	1430.9	1455.5	1480.1
65°	892.0	943.1	994.1	1035.2	1066.4	1097.6	1128.8	1160.0	1191.0	1222.0	1252.9
67.5°	694.4	746.8	799.1	839.6	868.3	897.0	925.6	954.3	971.0	987.7	1004.4
70°	501.2	549.5	597.8	636.5	665.5	694.5	723.5	752.5	772.6	792.7	812.8
72.5°	342.0	380.0	418.0	448.9	472.8	496.7	520.6	544.5	566.0	587.4	608.9
75°	210.0	238.7	267.4	291.0	309.7	328.4	347.1	365.8	387.3	408.9	430.4
77.5°	122.1	138.8	155.6	170.7	184.1	197.6	211.0	224.5	244.2	263.9	283.5
80°	63.2	68.9	74.7	81.5	89.4	97.3	105.1	113.0	128.1	143.2	158.3
82.5°	27.8	30.3	32.8	35.7	39.1	42.4	45.8	49.2	58.2	67.2	76.2
85°	9.8	11.6	13.3	14.6	15.3	16.1	16.8	17.6	21.9	26.3	30.6
87.5°	3.0	3.2	3.5	4.0	4.7	5.3	6.0	6.7	9.1	11.6	14.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P600770
 CATALOG NUMBER: ASWPLED2S-75W-4000K

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4093.0	4093.0	4093.0	4093.0	4093.0	4093.0	4093.0	4093.0	4093.0	4093.0	4093.0
2.5°	4097.5	4097.2	4096.2	4095.2	4094.2	4093.2	4092.3	4091.5	4090.6	4089.7	4089.4
5°	4084.6	4085.0	4086.1	4087.3	4088.4	4089.6	4090.2	4090.8	4091.3	4091.9	4092.4
7.5°	4067.4	4069.0	4071.3	4073.6	4075.9	4078.2	4077.6	4077.0	4076.4	4075.8	4075.1
10°	4041.6	4044.0	4045.7	4047.4	4049.2	4050.9	4048.9	4046.9	4045.0	4043.0	4041.8
12.5°	4019.7	4022.0	4020.4	4018.8	4017.2	4015.6	4015.9	4016.2	4016.4	4016.7	4016.5
15°	3978.0	3981.9	3981.7	3981.5	3981.3	3981.1	3981.3	3981.5	3981.7	3981.9	3980.7
17.5°	3926.9	3931.6	3934.2	3936.7	3939.3	3941.8	3937.6	3933.4	3929.2	3925.0	3921.1
20°	3874.8	3879.5	3883.8	3888.0	3892.3	3896.5	3887.6	3878.6	3869.7	3860.8	3854.2
22.5°	3817.7	3821.7	3823.6	3825.4	3827.3	3829.2	3820.8	3812.4	3804.0	3795.6	3789.7
25°	3749.3	3751.8	3750.1	3748.5	3746.8	3745.2	3741.4	3737.6	3733.7	3729.9	3725.5
27.5°	3683.4	3684.9	3679.7	3674.5	3669.2	3664.0	3663.3	3662.7	3662.0	3661.3	3658.4
30°	3611.6	3613.5	3607.1	3600.7	3594.3	3587.9	3587.2	3586.5	3585.8	3585.1	3583.3
32.5°	3517.7	3520.3	3514.0	3507.6	3501.3	3495.0	3498.1	3501.3	3504.5	3507.6	3506.9
35°	3409.7	3413.7	3409.9	3406.2	3402.4	3398.6	3402.6	3406.6	3410.6	3414.6	3414.1
37.5°	3288.3	3293.9	3294.6	3295.4	3296.1	3296.9	3298.2	3299.5	3300.9	3302.2	3291.8
40°	3153.9	3160.1	3164.8	3169.6	3174.3	3179.1	3161.9	3144.7	3127.6	3110.4	3088.4
42.5°	3014.2	3026.4	3034.0	3041.6	3049.2	3056.8	3017.4	2978.1	2938.8	2899.4	2876.7
45°	2847.3	2865.2	2879.8	2894.5	2909.1	2923.7	2885.5	2847.4	2809.2	2771.1	2744.1
47.5°	2657.2	2669.4	2685.5	2701.6	2717.7	2733.8	2699.3	2664.9	2630.4	2595.9	2563.6
50°	2510.0	2516.2	2512.2	2508.3	2504.3	2500.3	2464.9	2429.6	2394.2	2358.9	2337.0
52.5°	2319.2	2335.1	2331.7	2328.2	2324.8	2321.3	2290.5	2259.7	2229.0	2198.2	2170.2
55°	2061.4	2077.0	2089.5	2102.0	2114.4	2126.9	2084.7	2042.5	2000.4	1958.2	1928.5
57.5°	1869.8	1877.4	1874.3	1871.3	1868.2	1865.1	1837.1	1809.0	1780.9	1752.8	1729.2
60°	1697.7	1706.3	1700.0	1693.8	1687.5	1681.3	1648.0	1614.8	1581.5	1548.2	1523.3
62.5°	1504.6	1505.9	1484.0	1462.1	1440.1	1418.2	1400.0	1381.8	1363.6	1345.4	1325.3
65°	1283.9	1288.5	1266.8	1245.1	1223.4	1201.7	1179.6	1157.5	1135.4	1113.3	1095.9
67.5°	1021.1	1024.2	1013.8	1003.4	993.0	982.7	965.7	948.8	931.8	914.9	898.8
70°	832.9	838.4	829.5	820.6	811.7	802.8	781.2	759.5	737.9	716.2	699.4
72.5°	630.4	637.3	629.8	622.2	614.7	607.1	589.6	572.1	554.6	537.1	521.6
75°	451.9	457.5	447.1	436.6	426.2	415.8	403.8	391.9	379.9	368.0	356.3
77.5°	303.2	309.1	301.3	293.4	285.5	277.7	264.5	251.4	238.3	225.2	215.3
80°	173.4	178.5	173.4	168.3	163.2	158.1	154.8	151.4	148.1	144.8	142.9
82.5°	85.2	89.7	89.6	89.5	89.4	89.3	91.4	93.6	95.7	97.9	98.6
85°	34.9	39.0	42.8	46.6	50.4	54.2	55.3	56.3	57.4	58.5	58.5
87.5°	16.6	18.6	20.3	22.0	23.7	25.4	25.8	26.3	26.7	27.2	27.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P600770
 CATALOG NUMBER: ASWPLED2S-75W-4000K

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	4093.0	4093.0	4093.0	4093.0
2.5°	4089.5	4089.6	4089.8	4089.9
5°	4092.9	4093.4	4093.9	4094.4
7.5°	4074.2	4073.2	4072.3	4071.4
10°	4041.4	4041.1	4040.7	4040.3
12.5°	4015.8	4015.0	4014.3	4013.6
15°	3978.2	3975.7	3973.2	3970.7
17.5°	3917.5	3913.9	3910.3	3906.7
20°	3850.1	3846.0	3841.9	3837.8
22.5°	3786.2	3782.7	3779.2	3775.7
25°	3720.6	3715.7	3710.7	3705.8
27.5°	3653.3	3648.1	3643.0	3637.8
30°	3580.4	3577.4	3574.5	3571.5
32.5°	3502.2	3497.5	3492.9	3488.2
35°	3409.1	3404.1	3399.1	3394.1
37.5°	3269.8	3247.7	3225.6	3203.6
40°	3061.5	3034.6	3007.7	2980.8
42.5°	2870.6	2864.5	2858.4	2852.3
45°	2728.3	2712.5	2696.7	2680.9
47.5°	2533.5	2503.3	2473.2	2443.0
50°	2328.5	2320.0	2311.5	2303.0
52.5°	2144.9	2119.6	2094.3	2069.0
55°	1911.3	1894.2	1877.0	1859.8
57.5°	1709.9	1690.6	1671.3	1652.0
60°	1506.7	1490.0	1473.4	1456.8
62.5°	1303.1	1281.0	1258.8	1236.7
65°	1083.2	1070.5	1057.8	1045.1
67.5°	883.7	868.5	853.4	838.2
70°	687.3	675.2	663.2	651.1
72.5°	508.1	494.7	481.2	467.7
75°	345.0	333.7	322.4	311.1
77.5°	208.5	201.8	195.0	188.3
80°	142.6	142.2	141.9	141.5
82.5°	98.0	97.4	96.7	96.1
85°	57.5	56.6	55.6	54.6
87.5°	27.1	26.8	26.6	26.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)