

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P148970

Luminaire Tested: **TLM-E05-LED-E1-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P148970
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TLM-E05-LED-E1-RW
Description: TALON MEDIUM LED SITE LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (105) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15619.7 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 3.07 / 1.6
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
CIE Type: Direct

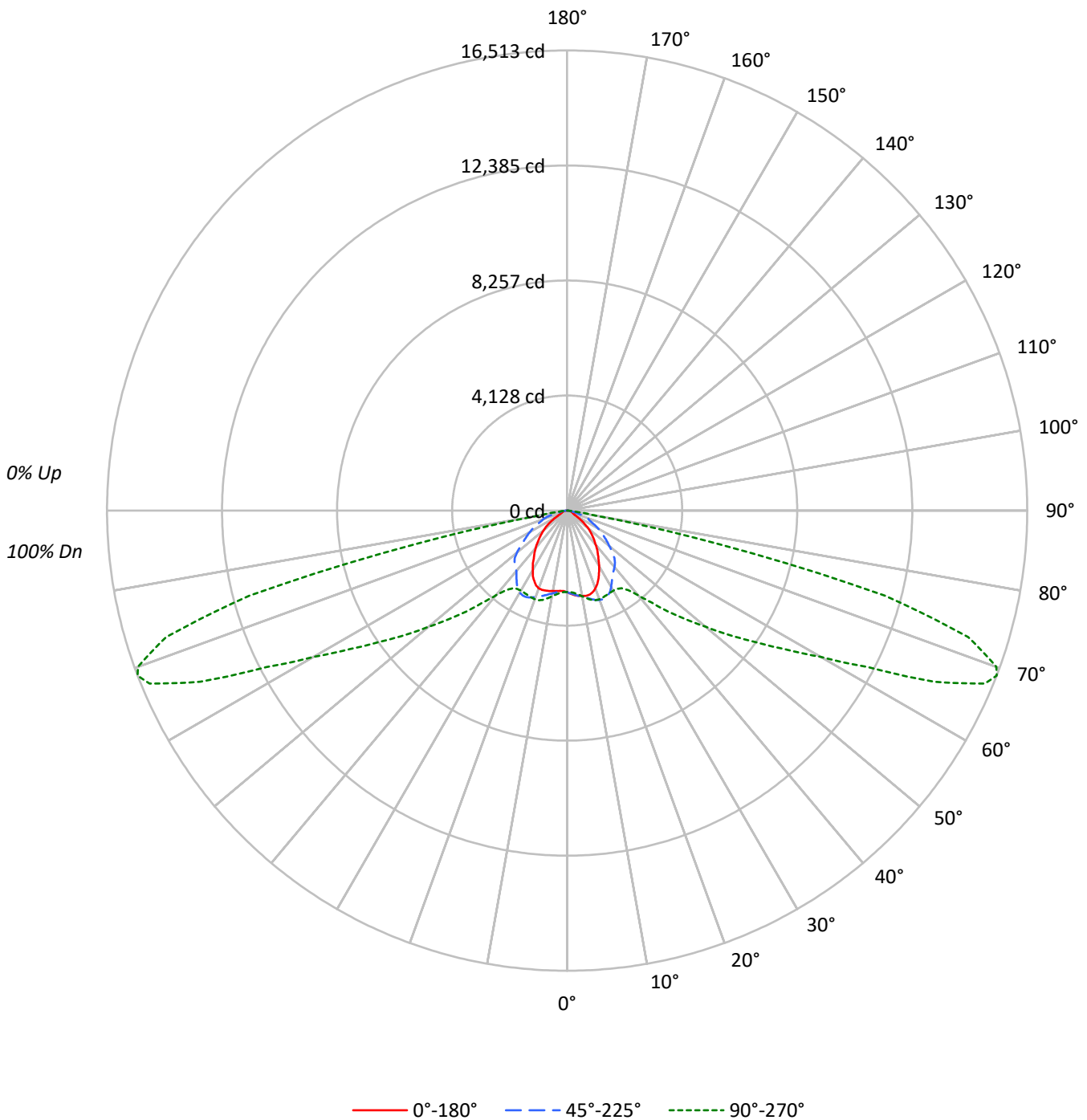
Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P148970

CATALOG NUMBER: TLM-E05-LED-E1-RW

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	106	101	95	91	104	98	93	89	94	90	86	90	87	84	86	84	81	79
2	94	84	76	69	91	82	75	68	79	72	66	75	70	65	72	67	63	61
3	84	72	62	54	81	70	61	54	67	59	52	64	57	51	61	55	51	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	47	41	39
5	69	54	44	36	67	53	43	36	51	42	35	49	41	35	47	40	35	32
6	63	48	38	31	61	47	37	30	45	36	30	43	36	30	42	35	29	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	38	31	25	23
8	54	39	29	23	52	38	29	23	37	29	23	35	28	23	34	27	22	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	37955	37955	37955
5°	39640	38642	37644
10°	40998	41130	38650
15°	41934	44507	39875
20°	40920	46716	41012
25°	38181	47864	39898
30°	34367	49691	36913
35°	30528	53855	33009
40°	26918	67011	29740
45°	23536	93902	25983
50°	19806	130905	22294
55°	14283	185780	17523
60°	8515	272037	10460
65°	7672	445718	7672
70°	7838	621594	7963
75°	8353	591595	8769
80°	8462	76177	9208
85°	5461	19091	7693



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.1	1.8
10°-20°	905.6	5.8
20°-30°	1467.2	9.4
30°-40°	1828.5	11.7
40°-50°	2284.9	14.6
50°-60°	2821.3	18.1
60°-70°	3505.7	22.4
70°-80°	2327.3	14.9
80°-90°	192.2	1.2
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°-30°	2659.8	17.0
0°-40°	4488.3	28.7
0°-60°	9594.6	61.4
0°-90°	15619.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15619.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2927	2927	2927	2927	2927	
5°	3045	3027	2968	2922	2892	292
15°	3123	3283	3315	3152	2970	874
25°	2668	3398	3345	3430	2788	1219
35°	1928	2840	3402	3160	2085	1208
45°	1283	2392	5120	2670	1417	989
55°	632	1618	8217	1897	775	563
65°	250	938	14525	1193	250	252
75°	167	370	11807	482	175	174
85°	37	70	128	92	52	47
90°	0	0	0	0	0	



TEST NUMBER: P148970

CATALOG NUMBER: TLM-E05-LED-E1-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7
2.5°	2993.3	3003.3	2993.3	2993.3	2985.0	2976.7	2971.7	2960.0	2953.3	2950.0	2950.0
5°	3045.0	3043.3	3045.0	3045.0	3036.7	3026.7	3020.0	3010.0	3000.0	2998.3	2996.7
7.5°	3083.3	3081.7	3086.7	3096.7	3091.7	3083.3	3083.3	3073.3	3066.7	3066.7	3063.3
10°	3113.3	3115.0	3125.0	3140.0	3143.3	3141.7	3153.3	3150.0	3146.7	3150.0	3146.7
12.5°	3133.3	3135.0	3148.3	3176.7	3195.0	3206.7	3236.7	3238.3	3240.0	3240.0	3240.0
15°	3123.3	3123.3	3150.0	3203.3	3248.3	3283.3	3321.7	3328.3	3321.7	3326.7	3323.3
17.5°	3065.0	3068.3	3111.7	3193.3	3285.0	3361.7	3403.3	3391.7	3380.0	3380.0	3375.0
20°	2965.0	2971.7	3030.0	3145.0	3290.0	3411.7	3476.7	3438.3	3406.7	3401.7	3396.7
22.5°	2841.7	2836.7	2906.7	3051.7	3251.7	3433.3	3521.7	3475.0	3418.3	3406.7	3398.3
25°	2668.3	2671.7	2745.0	2906.7	3155.0	3398.3	3535.0	3511.7	3445.0	3430.0	3411.7
27.5°	2478.3	2486.7	2565.0	2730.0	3005.0	3311.7	3520.0	3548.3	3496.7	3480.0	3463.3
30°	2295.0	2300.0	2388.3	2565.0	2820.0	3158.3	3480.0	3588.3	3561.7	3548.3	3533.3
32.5°	2100.0	2116.7	2193.3	2393.3	2673.3	2990.0	3418.3	3630.0	3640.0	3631.7	3623.3
35°	1928.3	1941.7	2028.3	2238.3	2531.7	2840.0	3343.3	3675.0	3743.3	3741.7	3740.0
37.5°	1773.3	1776.7	1868.3	2081.7	2391.7	2735.0	3265.0	3748.3	3870.0	3886.7	3906.7
40°	1590.0	1606.7	1701.7	1931.7	2253.3	2645.0	3198.3	3846.7	4046.7	4083.3	4111.7
42.5°	1443.3	1443.3	1528.3	1756.7	2090.0	2541.7	3175.0	3970.0	4256.7	4306.7	4356.7
45°	1283.3	1288.3	1370.0	1578.3	1903.3	2391.7	3171.7	4106.7	4491.7	4563.3	4625.0
47.5°	1131.7	1135.0	1221.7	1423.3	1710.0	2185.0	3130.0	4258.3	4738.3	4841.7	4910.0
50°	981.7	976.7	1060.0	1265.0	1538.3	1971.7	2996.7	4455.0	5045.0	5148.3	5226.7
52.5°	796.7	810.0	900.0	1095.0	1370.0	1790.0	2725.0	4648.3	5361.7	5478.3	5585.0
55°	631.7	630.0	731.7	908.3	1188.3	1618.3	2403.3	4785.0	5670.0	5805.0	5923.3
57.5°	453.3	458.3	545.0	720.0	1000.0	1465.0	2160.0	4761.7	5908.3	6068.3	6218.3
60°	328.3	338.3	403.3	531.7	798.3	1288.3	1990.0	4491.7	6071.7	6290.0	6471.7
62.5°	276.7	285.0	341.7	411.7	616.7	1103.3	1825.0	4058.3	6283.3	6571.7	6835.0
65°	250.0	256.7	313.3	353.3	473.3	938.3	1721.7	3751.7	6561.7	7000.0	7360.0
67.5°	225.0	235.0	285.0	315.0	401.7	838.3	1691.7	3705.0	6615.0	7195.0	7706.7
69°	213.3	223.3	268.3	295.0	378.3	806.7	1635.0	3536.7	6266.7	6890.0	7463.3
70°	206.7	215.0	255.0	283.3	371.7	776.7	1555.0	3290.0	5896.7	6525.0	7141.7
72.5°	190.0	195.0	228.3	256.7	341.7	596.7	1178.3	2376.7	4401.7	5023.3	5628.3
75°	166.7	171.7	201.7	230.0	265.0	370.0	715.0	1410.0	2701.7	3120.0	3726.7
77.5°	143.3	148.3	173.3	216.7	210.0	241.7	436.7	843.3	1416.7	1625.0	2013.3
80°	113.3	120.0	145.0	208.3	175.0	191.7	320.0	623.3	861.7	948.3	1050.0
82.5°	80.0	83.3	110.0	166.7	131.7	145.0	240.0	518.3	691.7	755.0	785.0
85°	36.7	38.3	65.0	98.3	78.3	70.0	128.3	331.7	458.3	476.7	503.3
87.5°	0.0	0.0	6.7	6.7	13.3	8.3	15.0	41.7	70.0	70.0	85.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P148970

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CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7
2.5°	2951.7	2950.0	2951.7	2951.7	2953.3	2946.7	2945.0	2943.3	2941.7	2943.3	2940.0
5°	2996.7	2995.0	2995.0	2996.7	2995.0	2990.0	2988.3	2988.3	2983.3	2981.7	2981.7
7.5°	3065.0	3061.7	3056.7	3060.0	3061.7	3060.0	3061.7	3056.7	3056.7	3051.7	3053.3
10°	3150.0	3146.7	3145.0	3148.3	3150.0	3148.3	3150.0	3143.3	3141.7	3140.0	3136.7
12.5°	3243.3	3236.7	3241.7	3241.7	3243.3	3250.0	3241.7	3245.0	3238.3	3238.3	3236.7
15°	3325.0	3323.3	3326.7	3326.7	3325.0	3330.0	3328.3	3330.0	3321.7	3318.3	3326.7
17.5°	3376.7	3371.7	3373.3	3371.7	3371.7	3371.7	3375.0	3375.0	3370.0	3368.3	3371.7
20°	3390.0	3381.7	3380.0	3378.3	3375.0	3375.0	3376.7	3373.3	3370.0	3366.7	3370.0
22.5°	3386.7	3376.7	3366.7	3361.7	3356.7	3350.0	3348.3	3345.0	3340.0	3340.0	3341.7
25°	3398.3	3380.0	3365.0	3355.0	3341.7	3333.3	3326.7	3318.3	3310.0	3305.0	3306.7
27.5°	3438.3	3418.3	3398.3	3378.3	3358.3	3341.7	3328.3	3313.3	3300.0	3290.0	3285.0
30°	3513.3	3486.7	3463.3	3440.0	3415.0	3391.7	3370.0	3346.7	3321.7	3306.7	3293.3
32.5°	3600.0	3581.7	3566.7	3540.0	3513.3	3485.0	3458.3	3438.3	3401.7	3373.3	3350.0
35°	3731.7	3725.0	3716.7	3696.7	3666.7	3651.7	3630.0	3598.3	3555.0	3530.0	3495.0
37.5°	3913.3	3915.0	3908.3	3900.0	3903.3	3875.0	3861.7	3858.3	3815.0	3798.3	3746.7
40°	4136.7	4161.7	4183.3	4183.3	4200.0	4201.7	4198.3	4226.7	4195.0	4201.7	4146.7
42.5°	4385.0	4445.0	4478.3	4503.3	4558.3	4583.3	4625.0	4686.7	4690.0	4721.7	4725.0
45°	4678.3	4745.0	4808.3	4873.3	4946.7	5033.3	5120.0	5183.3	5283.3	5305.0	5376.7
47.5°	4983.3	5080.0	5153.3	5236.7	5361.7	5473.3	5601.7	5731.7	5846.7	5928.3	5975.0
50°	5320.0	5418.3	5525.0	5618.3	5751.7	5908.3	6086.7	6265.0	6413.3	6558.3	6675.0
52.5°	5693.3	5801.7	5901.7	6023.3	6158.3	6345.0	6540.0	6785.0	6983.3	7181.7	7325.0
55°	6051.7	6173.3	6265.0	6420.0	6560.0	6751.7	6993.3	7283.3	7558.3	7798.3	7993.3
57.5°	6363.3	6483.3	6611.7	6745.0	6915.0	7106.7	7403.3	7733.3	8046.7	8361.7	8650.0
60°	6655.0	6816.7	6956.7	7133.3	7303.3	7525.0	7878.3	8286.7	8715.0	9106.7	9395.0
62.5°	7095.0	7301.7	7466.7	7685.0	7921.7	8183.3	8573.3	9023.3	9581.7	10086.7	10535.0
65°	7710.0	8026.7	8293.3	8561.7	8850.0	9210.0	9631.7	10203.3	10820.0	11566.7	12158.3
67.5°	8148.3	8545.0	8890.0	9226.7	9558.3	9956.7	10478.3	11148.3	11946.7	12731.7	13483.3
69°	7971.7	8391.7	8775.0	9110.0	9460.0	9858.3	10366.7	11101.7	11915.0	12778.3	13523.3
70°	7600.0	8053.3	8463.3	8783.3	9141.7	9536.7	10098.3	10800.0	11630.0	12523.3	13253.3
72.5°	6111.7	6590.0	6995.0	7350.0	7725.0	8188.3	8688.3	9361.7	10281.7	11156.7	11806.7
75°	4210.0	4656.7	5115.0	5380.0	5810.0	6140.0	6615.0	7305.0	8073.3	8716.7	9318.3
77.5°	2381.7	2621.7	2968.3	3076.7	3385.0	3605.0	3856.7	4281.7	4681.7	5055.0	5163.3
80°	1083.3	1011.7	1046.7	993.3	1051.7	1015.0	973.3	996.7	991.7	1066.7	996.7
82.5°	780.0	673.3	560.0	483.3	425.0	360.0	306.7	275.0	271.7	285.0	280.0
85°	498.3	455.0	356.7	286.7	220.0	170.0	141.7	128.3	128.3	136.7	135.0
87.5°	86.7	75.0	46.7	40.0	35.0	23.3	15.0	15.0	13.3	16.7	21.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P148970

CATALOG NUMBER: TLM-E05-LED-E1-RW

CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7
2.5°	2940.0	2938.3	2935.0	2933.3	2933.3	2930.0	2928.3	2931.7	2933.3	2935.0	2930.0
5°	2981.7	2976.7	2975.0	2976.7	2968.3	2970.0	2968.3	2970.0	2970.0	2970.0	2966.7
7.5°	3048.3	3043.3	3046.7	3043.3	3038.3	3036.7	3036.7	3031.7	3025.0	3023.3	3025.0
10°	3140.0	3133.3	3135.0	3136.7	3131.7	3128.3	3123.3	3116.7	3116.7	3115.0	3111.7
12.5°	3238.3	3235.0	3235.0	3236.7	3235.0	3228.3	3221.7	3218.3	3216.7	3216.7	3216.7
15°	3323.3	3321.7	3323.3	3321.7	3321.7	3318.3	3315.0	3310.0	3308.3	3310.0	3311.7
17.5°	3371.7	3366.7	3371.7	3373.3	3371.7	3371.7	3371.7	3368.3	3366.7	3366.7	3368.3
20°	3375.0	3371.7	3375.0	3380.0	3380.0	3381.7	3385.0	3386.7	3385.0	3388.3	3390.0
22.5°	3341.7	3341.7	3346.7	3351.7	3360.0	3363.3	3370.0	3373.3	3376.7	3381.7	3385.0
25°	3308.3	3306.7	3311.7	3321.7	3328.3	3336.7	3345.0	3351.7	3358.3	3365.0	3371.7
27.5°	3285.0	3283.3	3286.7	3295.0	3303.3	3313.3	3326.7	3336.7	3345.0	3353.3	3358.3
30°	3286.7	3280.0	3278.3	3285.0	3293.3	3305.0	3318.3	3330.0	3341.7	3348.3	3353.3
32.5°	3335.0	3318.3	3311.7	3310.0	3313.3	3321.7	3331.7	3343.3	3351.7	3358.3	3360.0
35°	3460.0	3428.3	3421.7	3400.0	3403.3	3401.7	3401.7	3408.3	3415.0	3415.0	3403.3
37.5°	3713.3	3668.3	3636.7	3615.0	3593.3	3591.7	3588.3	3585.0	3568.3	3558.3	3556.7
40°	4108.3	4090.0	4030.0	4013.3	3976.7	3951.7	3958.3	3945.0	3905.0	3890.0	3883.3
42.5°	4685.0	4695.0	4661.7	4583.3	4551.7	4503.3	4463.3	4456.7	4420.0	4390.0	4366.7
45°	5361.7	5380.0	5355.0	5298.3	5241.7	5168.3	5120.0	5026.7	4990.0	4943.3	4911.7
47.5°	6056.7	6106.7	6066.7	6016.7	5985.0	5870.0	5770.0	5661.7	5606.7	5540.0	5510.0
50°	6746.7	6835.0	6811.7	6765.0	6730.0	6585.0	6488.3	6338.3	6306.7	6240.0	6203.3
52.5°	7436.7	7523.3	7575.0	7531.7	7506.7	7390.0	7323.3	7203.3	7113.3	7071.7	7070.0
55°	8133.3	8273.3	8355.0	8340.0	8298.3	8283.3	8216.7	8205.0	8135.0	8090.0	8030.0
57.5°	8815.0	8963.3	9105.0	9188.3	9223.3	9211.7	9243.3	9240.0	9250.0	9245.0	9146.7
60°	9681.7	9916.7	10123.3	10255.0	10380.0	10466.7	10488.3	10616.7	10580.0	10660.0	10506.7
62.5°	10905.0	11210.0	11523.3	11661.7	11815.0	12096.7	12163.3	12315.0	12338.3	12358.3	12276.7
65°	12610.0	13010.0	13483.3	13695.0	13935.0	14296.7	14525.0	14686.7	14681.7	14571.7	14466.7
67.5°	14065.0	14538.3	14973.3	15341.7	15700.0	15981.7	16221.7	16440.0	16451.7	16383.3	16203.3
69°	14190.0	14685.0	15158.3	15601.7	15956.7	16270.0	16513.3	16683.3	16720.0	16660.0	16493.3
70°	13958.3	14458.3	14973.3	15398.3	15800.0	16131.7	16393.3	16556.7	16606.7	16545.0	16388.3
72.5°	12533.3	13018.3	13403.3	13903.3	14475.0	14683.3	15086.7	15220.0	15343.3	15261.7	15168.3
75°	9818.3	10275.0	10673.3	10933.3	11195.0	11710.0	11806.7	12056.7	12141.7	12061.7	12165.0
77.5°	5115.0	5423.3	5556.7	5348.3	5380.0	5786.7	5556.7	5826.7	5981.7	6026.7	6091.7
80°	978.3	1028.3	1066.7	1053.3	1066.7	1096.7	1020.0	978.3	1033.3	1021.7	1021.7
82.5°	288.3	283.3	283.3	298.3	296.7	303.3	303.3	291.7	300.0	300.0	301.7
85°	131.7	125.0	123.3	125.0	123.3	123.3	128.3	128.3	138.3	130.0	131.7
87.5°	16.7	15.0	16.7	16.7	13.3	13.3	15.0	16.7	16.7	15.0	15.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P148970

CATALOG NUMBER: TLM-E05-LED-E1-RW

CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	105°	115°	125°	135°	145°
0°	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7
2.5°	2928.3	2926.7	2926.7	2926.7	2925.0	2923.3	2921.7	2916.7	2911.7	2910.0	2901.7
5°	2960.0	2961.7	2958.3	2955.0	2955.0	2955.0	2950.0	2936.7	2926.7	2921.7	2910.0
7.5°	3026.7	3023.3	3018.3	3016.7	3013.3	3015.0	3005.0	2988.3	2970.0	2958.3	2940.0
10°	3115.0	3111.7	3108.3	3105.0	3100.0	3100.0	3088.3	3063.3	3035.0	3015.0	2981.7
12.5°	3218.3	3215.0	3211.7	3210.0	3201.7	3200.0	3183.3	3153.3	3116.7	3078.3	3030.0
15°	3313.3	3308.3	3306.7	3301.7	3296.7	3295.0	3280.0	3240.0	3195.0	3151.7	3088.3
17.5°	3373.3	3370.0	3365.0	3361.7	3360.0	3358.3	3336.7	3303.3	3268.3	3225.0	3148.3
20°	3393.3	3395.0	3391.7	3388.3	3383.3	3380.0	3360.0	3328.3	3321.7	3298.3	3220.0
22.5°	3390.0	3390.0	3388.3	3381.7	3378.3	3370.0	3341.7	3326.7	3363.3	3373.3	3273.3
25°	3376.7	3375.0	3370.0	3365.0	3355.0	3343.3	3300.0	3308.3	3411.7	3430.0	3285.0
27.5°	3361.7	3360.0	3351.7	3340.0	3325.0	3308.3	3253.3	3308.3	3456.7	3441.7	3236.7
30°	3353.3	3346.7	3335.0	3318.3	3298.3	3280.0	3220.0	3351.7	3488.3	3401.7	3103.3
32.5°	3355.0	3343.3	3326.7	3305.0	3281.7	3260.0	3218.3	3428.3	3500.0	3305.0	2915.0
35°	3395.0	3376.7	3355.0	3333.3	3310.0	3290.0	3293.3	3535.0	3498.3	3160.0	2733.3
37.5°	3540.0	3508.3	3493.3	3470.0	3436.7	3420.0	3486.7	3653.3	3475.0	2983.3	2573.3
40°	3860.0	3833.3	3811.7	3751.7	3763.3	3750.0	3813.3	3815.0	3445.0	2835.0	2440.0
42.5°	4326.7	4326.7	4280.0	4271.7	4240.0	4255.0	4283.3	4005.0	3415.0	2746.7	2308.3
45°	4876.7	4918.3	4900.0	4895.0	4920.0	4950.0	4820.0	4230.0	3416.7	2670.0	2155.0
47.5°	5530.0	5565.0	5583.3	5613.3	5645.0	5626.7	5358.3	4466.7	3446.7	2560.0	1958.3
50°	6225.0	6310.0	6336.7	6375.0	6403.3	6408.3	5868.3	4710.0	3478.3	2358.3	1745.0
52.5°	7086.7	7166.7	7195.0	7221.7	7200.0	7181.7	6368.3	4998.3	3453.3	2118.3	1563.3
55°	8100.0	8115.0	8110.0	8076.7	8058.3	7958.3	6831.7	5305.0	3258.3	1896.7	1390.0
57.5°	9155.0	9161.7	9101.7	8985.0	8850.0	8755.0	7276.7	5558.3	2845.0	1718.3	1218.3
60°	10513.3	10376.7	10275.0	10096.7	9876.7	9673.3	7753.3	5700.0	2450.0	1546.7	1025.0
62.5°	12153.3	11880.0	11660.0	11480.0	11155.0	10796.7	8361.7	5718.3	2210.0	1383.3	805.0
65°	14276.7	13988.3	13613.3	13305.0	12953.3	12470.0	9343.3	5586.7	2091.7	1193.3	588.3
67.5°	15948.3	15656.7	15236.7	14891.7	14438.3	13875.0	10156.7	5356.7	2063.3	1021.7	463.3
69°	16240.0	15921.7	15543.3	15111.7	14630.0	14028.3	10188.3	5090.0	2020.0	956.7	425.0
70°	16133.3	15801.7	15436.7	14978.3	14438.3	13820.0	9948.3	4793.3	1933.3	920.0	411.7
72.5°	14936.7	14431.7	14065.0	13673.3	13016.7	12390.0	8565.0	3626.7	1505.0	775.0	385.0
75°	11958.3	11526.7	11113.3	10918.3	10373.3	9841.7	6430.0	2303.3	983.3	481.7	301.7
77.5°	6096.7	6018.3	6136.7	6048.3	5655.0	5655.0	3968.3	1223.3	578.3	290.0	230.0
80°	1095.0	1141.7	1120.0	1166.7	1085.0	1205.0	1395.0	821.7	410.0	221.7	188.3
82.5°	306.7	310.0	306.7	308.3	318.3	335.0	725.0	706.7	316.7	166.7	146.7
85°	143.3	145.0	148.3	148.3	161.7	165.0	486.7	506.7	185.0	91.7	98.3
87.5°	16.7	21.7	21.7	20.0	23.3	23.3	90.0	101.7	25.0	18.3	30.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P148970

CATALOG NUMBER: TLM-E05-LED-E1-RW

CANDELA DISTRIBUTION (continued):

	155°	165°	175°	180°
0°	2926.7	2926.7	2926.7	2926.7
2.5°	2895.0	2888.3	2881.7	2886.7
5°	2905.0	2895.0	2886.7	2891.7
7.5°	2931.7	2915.0	2913.3	2913.3
10°	2965.0	2941.7	2935.0	2935.0
12.5°	3000.0	2968.3	2956.7	2956.7
15°	3036.7	2991.7	2975.0	2970.0
17.5°	3078.3	3015.0	2985.0	2985.0
20°	3118.3	3018.3	2973.3	2971.7
22.5°	3125.0	2980.0	2915.0	2911.7
25°	3075.0	2890.0	2805.0	2788.3
27.5°	2956.7	2750.0	2660.0	2656.7
30°	2778.3	2566.7	2475.0	2465.0
32.5°	2603.3	2378.3	2293.3	2293.3
35°	2426.7	2206.7	2096.7	2085.0
37.5°	2263.3	2025.0	1926.7	1925.0
40°	2113.3	1866.7	1771.7	1756.7
42.5°	1963.3	1700.0	1591.7	1588.3
45°	1785.0	1518.3	1425.0	1416.7
47.5°	1595.0	1355.0	1256.7	1255.0
50°	1423.3	1203.3	1105.0	1105.0
52.5°	1266.7	1055.0	956.7	946.7
55°	1090.0	886.7	786.7	775.0
57.5°	898.3	698.3	608.3	583.3
60°	695.0	508.3	416.7	403.3
62.5°	506.7	371.7	303.3	293.3
65°	381.7	316.7	260.0	250.0
67.5°	328.3	285.0	236.7	226.7
69°	305.0	270.0	226.7	216.7
70°	295.0	260.0	218.3	210.0
72.5°	271.7	238.3	200.0	196.7
75°	248.3	216.7	180.0	175.0
77.5°	240.0	188.3	155.0	151.7
80°	245.0	153.3	126.7	123.3
82.5°	200.0	123.3	98.3	93.3
85°	125.0	83.3	51.7	51.7
87.5°	31.7	26.7	15.0	15.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)