

**REPORT NUMBER:** PRORATED FROM RAB04286

**PAGE:** 1 OF 10

**ISSUE DATE:** 05/8/18

**PREPARED FOR:** RAB LIGHTING INC. RC LIGHTING

**CATALOG NUMBER:** ALED2T150 - RWLED2T150 - RWLED2T150SF - WPLED2T150 (TYPE II)

**LUMINAIRE:** CAST FINNED METAL HOUSING, 6 CHIP ON BOARD LIGHT EMITTING DIODES, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, CLEAR GLASS LENS IN CAST BRONZE PAINTED METAL FRAME.

**LAMPS:** SIX WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDs), 2 LEDs TILTED 63-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 75-DEGREES FROM STRAIGHT AHEAD, 2 LEDs TILTED 67-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 68-DEGREES FROM STRAIGHT AHEAD, 2 LEDs TILTED 58-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 40-DEGREES FROM STRAIGHT AHEAD.

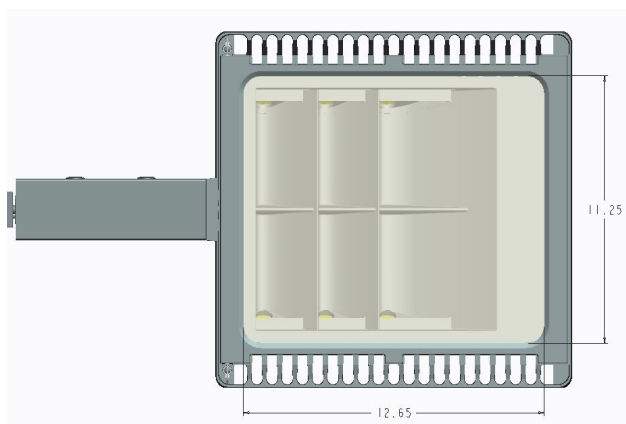
**ABSOLUTE:** NOTE: THIS REPORT WAS PRORATED FROM RAB04286 WHICH WAS ALED2T150Y. ACTUAL PERFORMANCE MAY VARY.

**WATT:** TOTAL INPUT WATTS = 158.8 W AT 120.0 VAC.

**LED DRIVER:** LED DRIVER: RDD-160

**PROCEDURE:** TEST PROCEDURE: IESNA LM-79-08

**NOTE:** LM-80 DATA AVAILABLE FROM MANUFACTURER FOR SOLID STATE SOURCE



Checked X.CAO

Approved D.WANG-MUNSON

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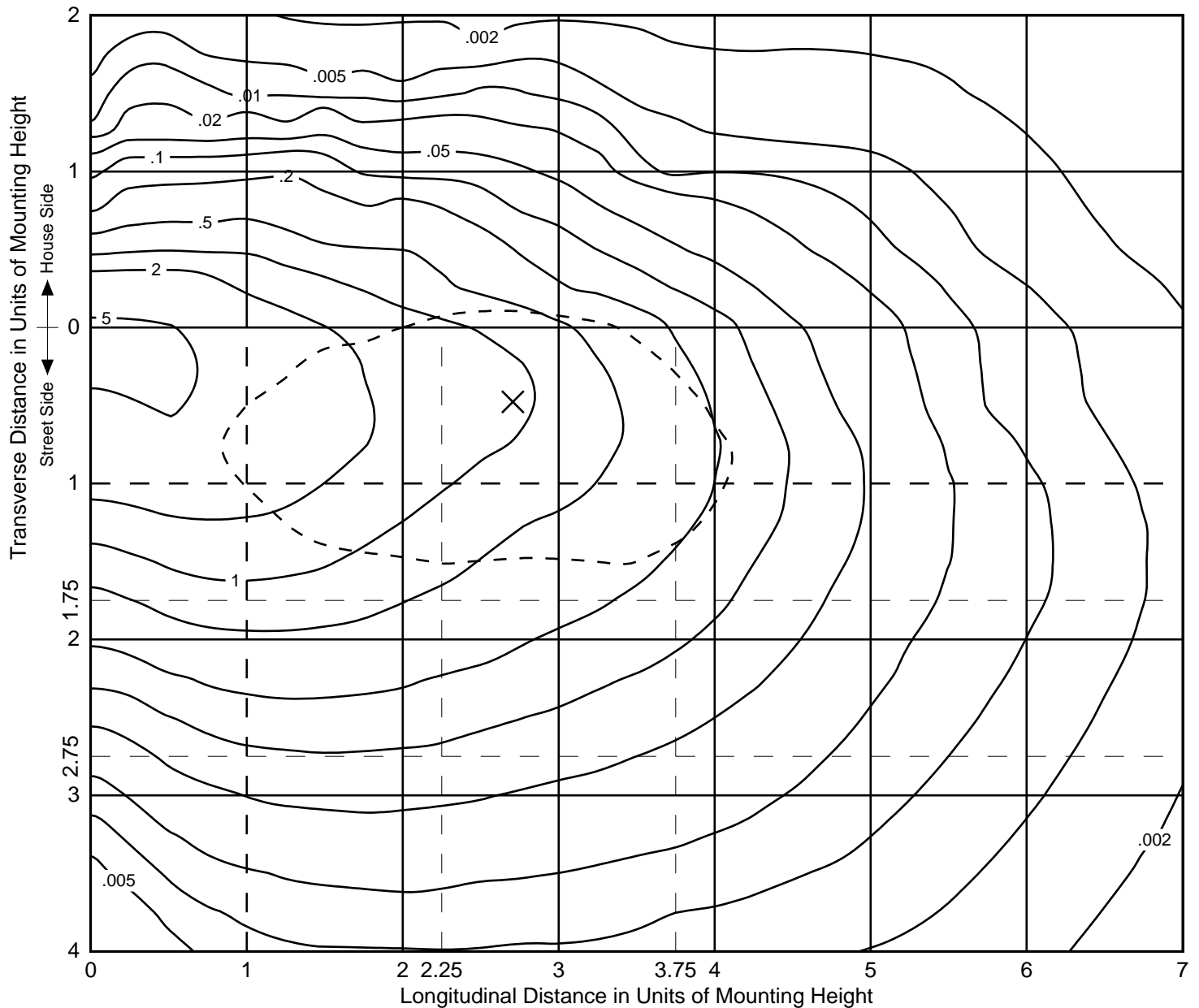
**ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION**  
Values based on 25-foot mounting height

IES Classification: Medium, Type II

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

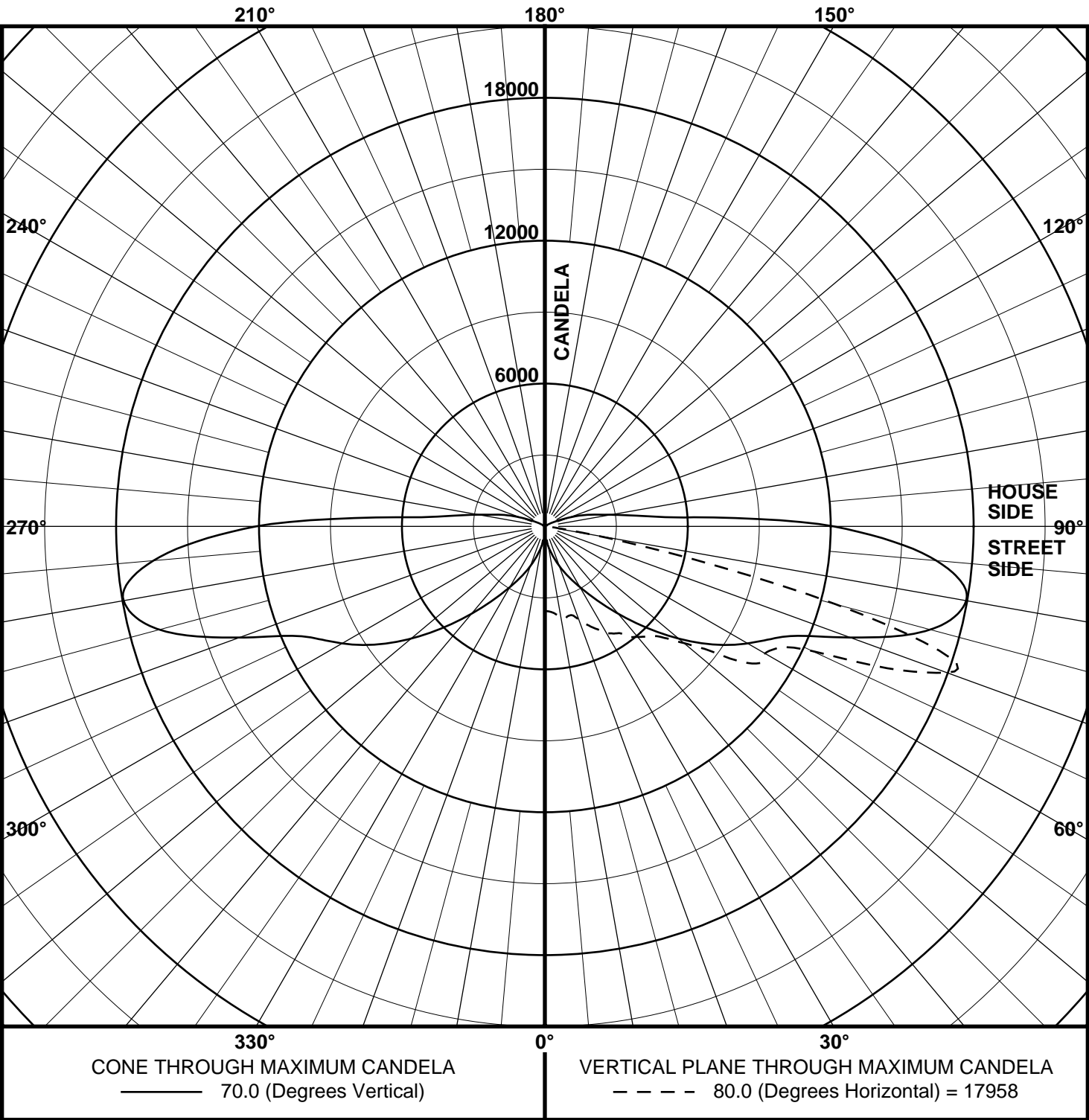
X Maximum Candela point



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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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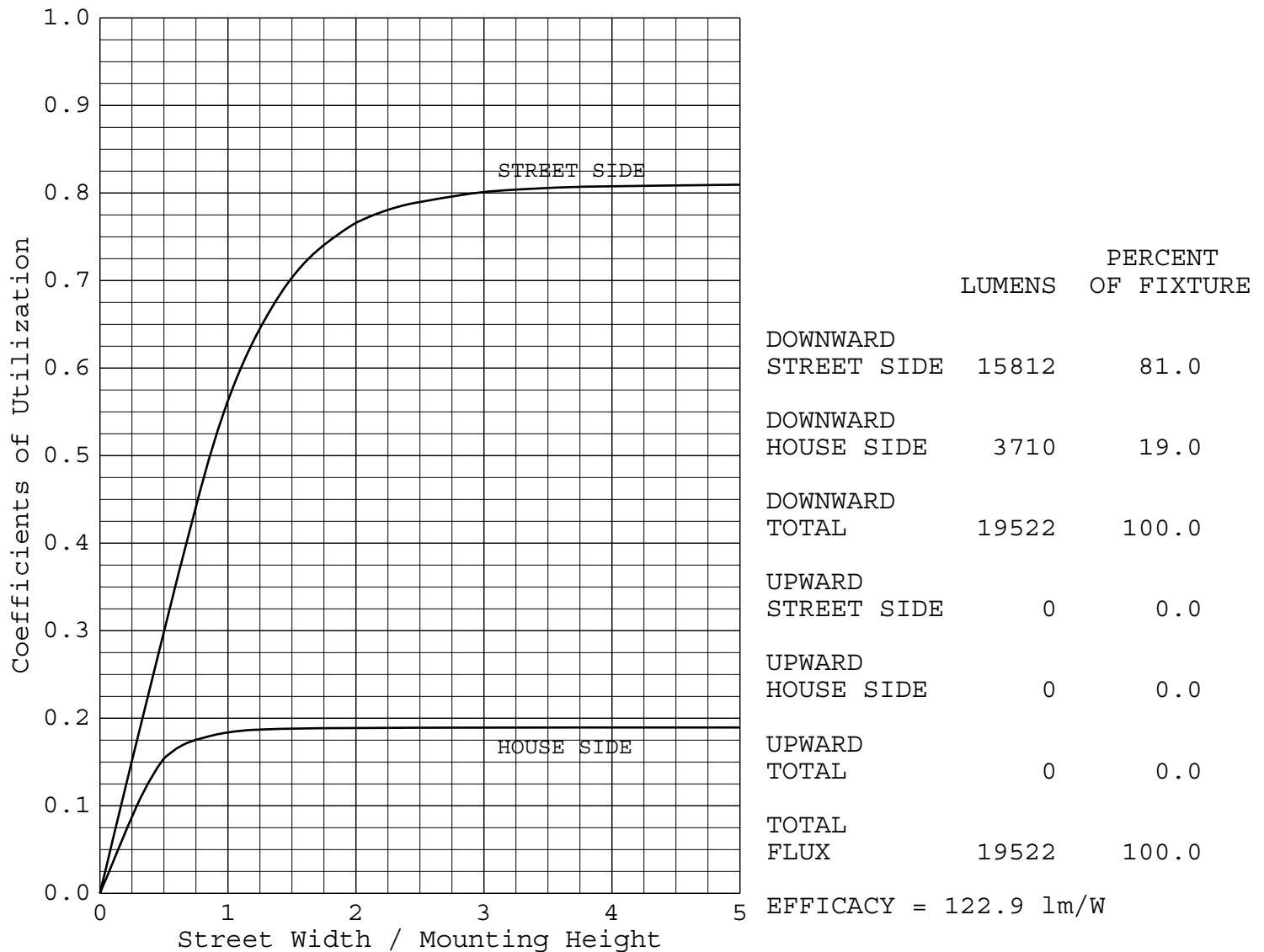
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### COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



ALL CANDELA AND LUMENS IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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BUG Rating			B3 U0 G3		
Zonal Summary			Zone Ratings		
			B	U	G
Forward					
FL	(0° – 30°)	15812			
FM	(30° – 60°)	1777.9			
FH	(60° – 80°)	7755.5			
FVH	(80° – 90°)	6171.0			G3
		107.7			G2
Backward					
BL	(0° – 30°)	3710			
BM	(30° – 60°)	19.0	B3		
BH	(60° – 80°)	1038.2	B2		
BVH	(80° – 90°)	1767.8	B2		G2
		886.6			G1
		17.1			
Upward					
UL	(90° – 100°)	0			
UH	(100° – 180°)	0.0		U0	
		0.0		U0	
Trapped Light					
Total Flux					
		0			
		19522			
		100.0			

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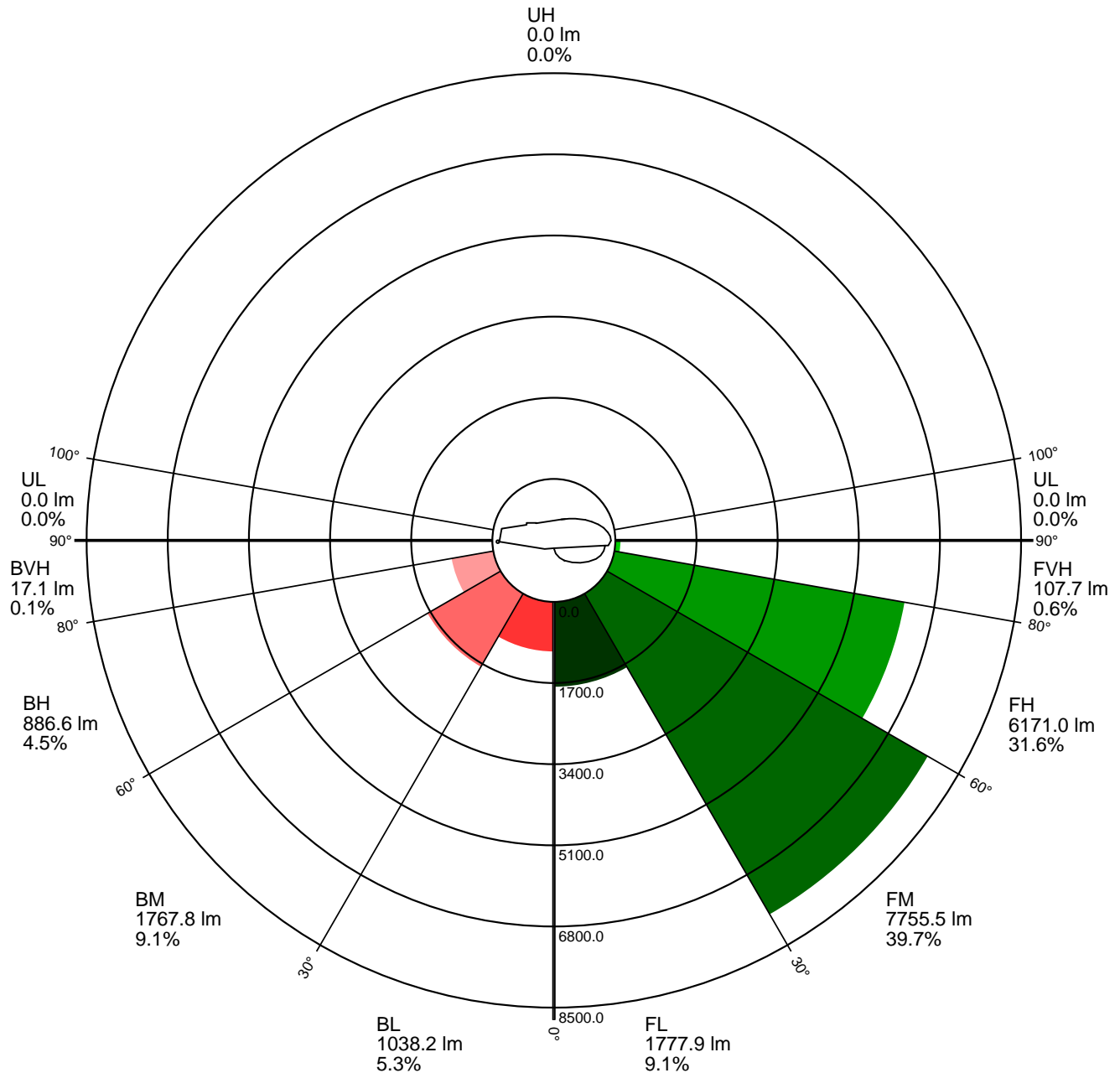
**ISSUE DATE:** 05/8/18

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## Zonal Lumen Summary

(Linear scale)



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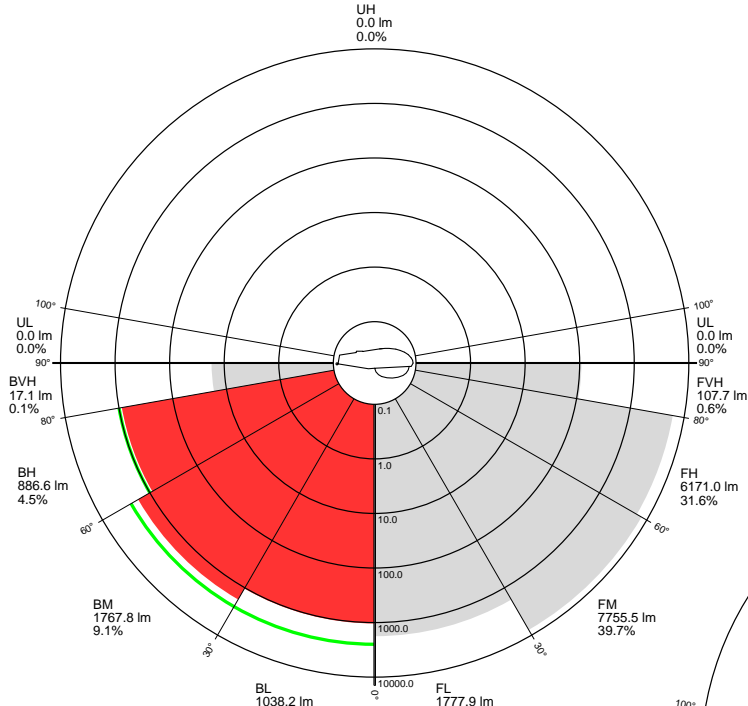
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**CATALOG NUMBER:** ALED2T150 - RWLED2T150 - RWLED2T150SF - WPLED2T150 (TYPE II)

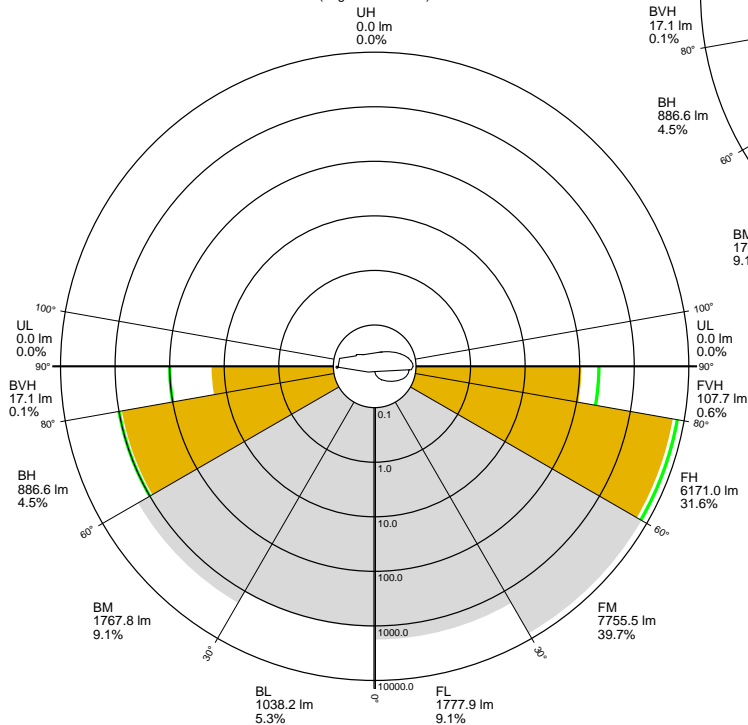
### Backlight Rating Details

(Logarithmic scale)



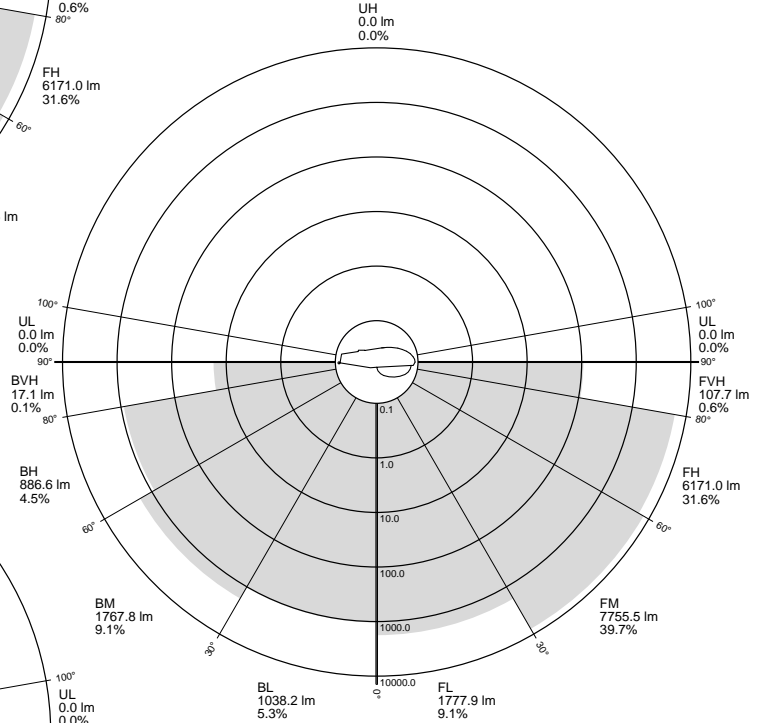
### Glare Rating Details

(Logarithmic scale)



### Uplight Rating Details

(Logarithmic scale)



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### CANDELA TABULATION

	STREET	LATERAL ANGLE										
		SIDE	0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	80.0
	180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	155.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	145.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	135.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	92.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	1.	1.	3.	6.	10.	12.	15.	35.	22.	18.	13.
	85.0	4.	3.	8.	9.	14.	29.	98.	59.	66.	71.	66.
V	82.5	11.	7.	15.	23.	94.	216.	428.	532.	616.	552.	359.
E	80.0	23.	18.	79.	206.	353.	687.	1523.	2024.	2506.	2117.	1282.
R	77.5	43.	44.	267.	488.	896.	1789.	3363.	5512.	6723.	6403.	4212.
T	75.0	73.	138.	521.	992.	1824.	3031.	5049.	8618.	13007.	12634.	9432.
I	72.5	179.	332.	890.	1643.	2736.	4470.	7005.	9702.	16439.	17362.	14362.
C	70.0<<	417.	592.	1282.	2312.	3754.	5999.	8660.	10979.	16753.	17958.	16504.
A	67.5	805.	852.	1778.	3069.	4871.	7455.	9419.	12337.	14031.	15564.	14868.
L	65.0	1262.	1245.	2389.	3916.	6022.	8458.	10164.	12912.	13005.	12377.	12085.
	62.5	1680.	1744.	3012.	4771.	6779.	8871.	10437.	12912.	11914.	11050.	10001.
A	60.0	2058.	2261.	3552.	5256.	7218.	9060.	10773.	12446.	11521.	10674.	9479.
N	57.5	2386.	2692.	3832.	5609.	7259.	8961.	10944.	11480.	11074.	10679.	9122.
G	55.0	2813.	3035.	4026.	5624.	7280.	9074.	10792.	10956.	10464.	9811.	8566.
L	52.5	3242.	3382.	4119.	5842.	7473.	9272.	10300.	10343.	9257.	8450.	7607.
E	50.0	3710.	3755.	4411.	6087.	7758.	9147.	9914.	9532.	8315.	7629.	6680.
	47.5	4066.	4155.	4782.	6316.	7768.	8592.	9225.	8674.	7483.	6974.	6382.
	45.0	4346.	4467.	5064.	6348.	7533.	7995.	8051.	7892.	7077.	6515.	6168.
	42.5	4548.	4683.	5194.	6162.	6957.	7490.	7168.	7083.	6536.	6274.	6030.
	40.0	4632.	4721.	5184.	5720.	6493.	6888.	6860.	6544.	6158.	6060.	5806.
	37.5	4560.	4594.	5103.	5362.	5934.	6493.	6439.	6308.	5986.	5855.	5557.
	35.0	4420.	4414.	4726.	4881.	5485.	5914.	6116.	6218.	5683.	5474.	5236.
	32.5	4257.	4268.	4553.	4639.	5027.	5402.	5819.	5944.	5552.	5333.	5154.
	30.0	4135.	4204.	4498.	4544.	4883.	5081.	5447.	5461.	5213.	5159.	5032.
	25.0	3936.	3986.	4136.	4342.	4305.	4492.	4654.	4667.	4661.	4659.	4522.
	20.0	3765.	3769.	3880.	4166.	4209.	4239.	4124.	4202.	4236.	4153.	4071.
	15.0	3804.	3781.	3833.	3966.	4105.	4122.	4096.	4105.	3966.	3886.	3822.
	10.0	3709.	3709.	3740.	3757.	3849.	3926.	3968.	3961.	3928.	3886.	3858.
	5.0	3635.	3640.	3651.	3651.	3662.	3646.	3645.	3640.	3666.	3627.	3601.
	0.0	3544.	3544.	3544.	3544.	3544.	3544.	3544.	3544.	3544.	3544.	3544.

||  
PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA



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CANDELA TABULATION												
HOUSE	SIDE	LATERAL ANGLE										
		90.0	95.0	105.0	115.0	125.0	135.0	145.0	155.0	165.0	175.0	180.0
	180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	155.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	145.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	135.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	92.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	12.	10.	11.	9.	8.	8.	7.	5.	4.	4.	4.
	85.0	33.	21.	15.	12.	11.	11.	9.	6.	5.	4.	4.
V	82.5	281.	120.	86.	29.	17.	13.	11.	13.	13.	12.	11.
E	80.0	1114.	602.	273.	100.	41.	14.	15.	17.	16.	13.	12.
R	77.5	3276.	1588.	266.	87.	40.	15.	15.	17.	16.	15.	13.
T	75.0	6827.	2661.	324.	130.	38.	25.	14.	16.	15.	14.	13.
I	72.5	10358.	3607.	1295.	325.	42.	30.	15.	15.	15.	13.	13.
C	70.0	<12128.	4620.	1884.	513.	65.	30.	16.	18.	17.	13.	13.
A	67.5	11470.	5764.	2898.	665.	87.	34.	18.	18.	19.	14.	13.
L	65.0	9724.	5703.	3741.	803.	214.	48.	29.	22.	21.	17.	14.
	62.5	8539.	5751.	3158.	935.	521.	94.	40.	29.	25.	21.	17.
A	60.0	8137.	6011.	2972.	1191.	881.	136.	53.	50.	54.	31.	20.
N	57.5	7647.	5966.	2702.	1304.	1094.	291.	70.	59.	72.	36.	20.
G	55.0	7210.	5988.	2529.	1418.	1093.	478.	99.	69.	94.	36.	23.
L	52.5	6606.	5894.	2814.	1668.	1050.	603.	252.	85.	107.	35.	28.
E	50.0	5949.	5557.	2982.	1992.	1125.	625.	398.	176.	75.	42.	33.
	47.5	5824.	5383.	3060.	2075.	1148.	608.	484.	304.	166.	100.	78.
	45.0	5779.	5235.	3188.	2066.	1180.	692.	497.	396.	328.	180.	145.
	42.5	5652.	5076.	3386.	2108.	1224.	785.	480.	411.	363.	236.	193.
	40.0	5451.	4876.	3712.	2216.	1330.	862.	556.	395.	346.	248.	210.
	37.5	5257.	4772.	3975.	2341.	1489.	952.	673.	466.	309.	249.	219.
	35.0	4953.	4732.	3984.	2518.	1605.	1099.	755.	591.	374.	290.	261.
	32.5	4897.	4751.	4034.	2687.	1773.	1230.	861.	680.	473.	374.	340.
	30.0	4773.	4642.	3942.	2856.	1991.	1350.	970.	742.	535.	483.	454.
	25.0	4405.	4286.	3755.	3233.	2322.	1733.	1254.	935.	758.	704.	682.
	20.0	4021.	3973.	3594.	3183.	2728.	2183.	1780.	1427.	1226.	1166.	1123.
	15.0	3788.	3779.	3587.	3346.	3115.	2855.	2507.	2157.	1987.	1971.	1913.
	10.0	3811.	3802.	3674.	3531.	3340.	3162.	2975.	2809.	2730.	2650.	2625.
	5.0	3566.	3549.	3507.	3478.	3434.	3356.	3303.	3288.	3246.	3226.	3196.
	0.0	3544.	3544.	3544.	3544.	3544.	3544.	3544.	3544.	3544.	3544.	3544.

CONE OF MAXIMUM CANDELA

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### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	84
5- 10	251
10- 15	412
15- 20	543
20- 25	679
25- 30	846
30- 35	1034
35- 40	1241
40- 45	1472
45- 50	1719
50- 55	1934
55- 60	2122
60- 65	2208
65- 70	2217
70- 75	1824
75- 80	808
80- 85	119
85- 90	6
90- 95	0
95-100	0
100-105	0
105-110	0
110-115	0
115-120	0
120-125	0
125-130	0
130-135	0
135-140	0
140-145	0
145-150	0
150-155	0
155-160	0
160-165	0
165-170	0
170-175	0
175-180	0

### 10-DEGREE ZONAL LUMEN SUMMARY

0- 10	335
0- 20	1291
0- 30	2816
0- 40	5092
0- 50	8283
0- 60	12339
0- 70	16764
0- 80	19397
0- 90	19522
0-100	19522
0-110	19522
0-120	19522
0-130	19522
0-140	19522
0-150	19522
0-160	19522
0-170	19522
0-180	19522