

REPORT NUMBER: PRORATED FROM RAB04286

PAGE: 1 OF 10

ISSUE DATE: 05/8/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED2T125N - RWLED2T125N - RWLED2T125SFN - WPLED2T125N (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.

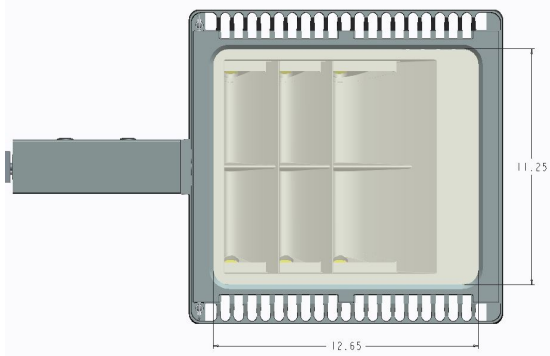
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04286 WHICH WAS ALED2T150Y. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 134.5 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

REPORT NUMBER: PRORATED FROM RAB04286

PAGE: 2 OF 10

ISSUE DATE: 05/8/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED2T125N - RWLED2T125N - RWLED2T125SFN - WPLED2T125N (TYPE II)

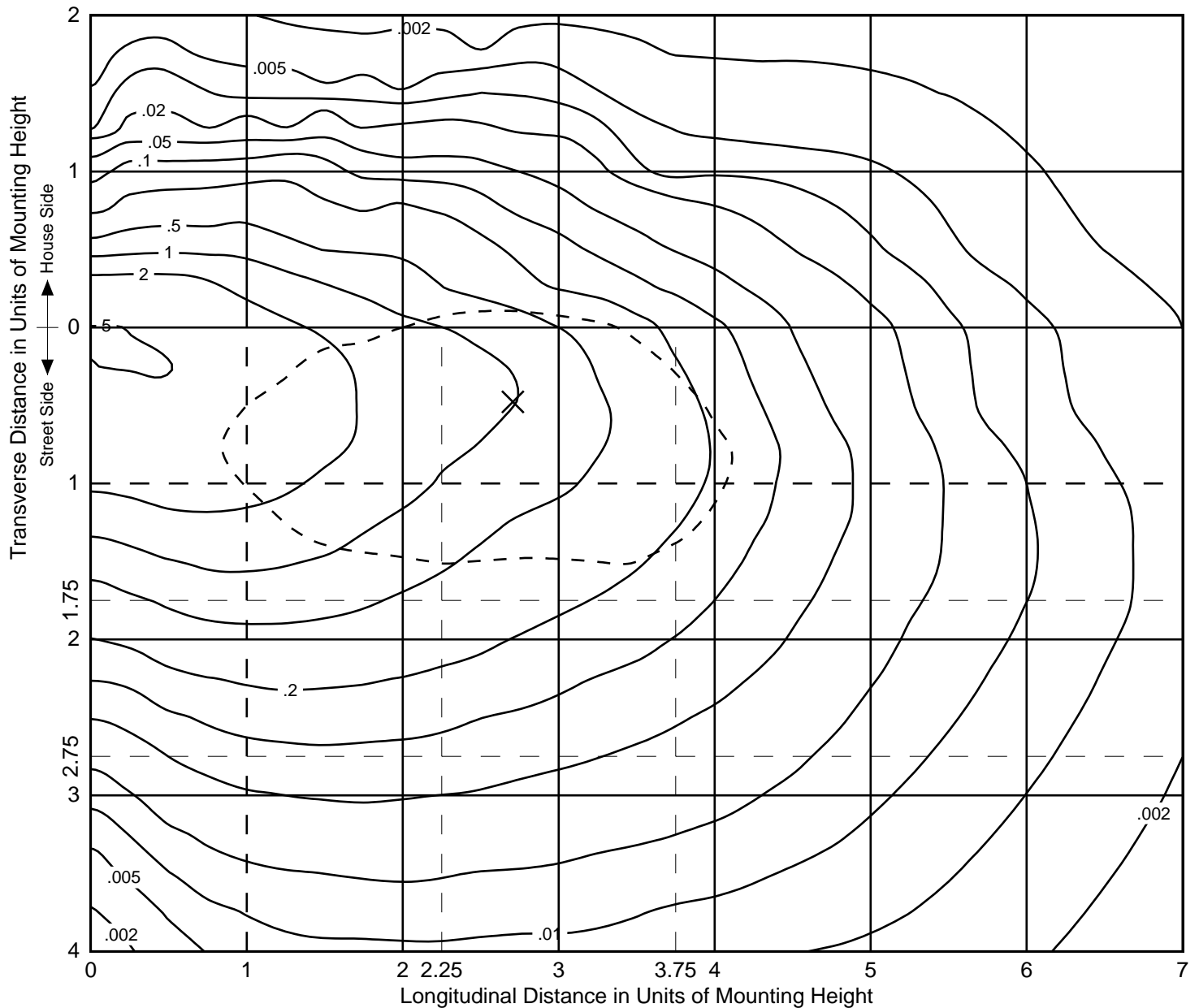
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION
Values based on 25-foot mounting height

IES Classification: Medium, Type II

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

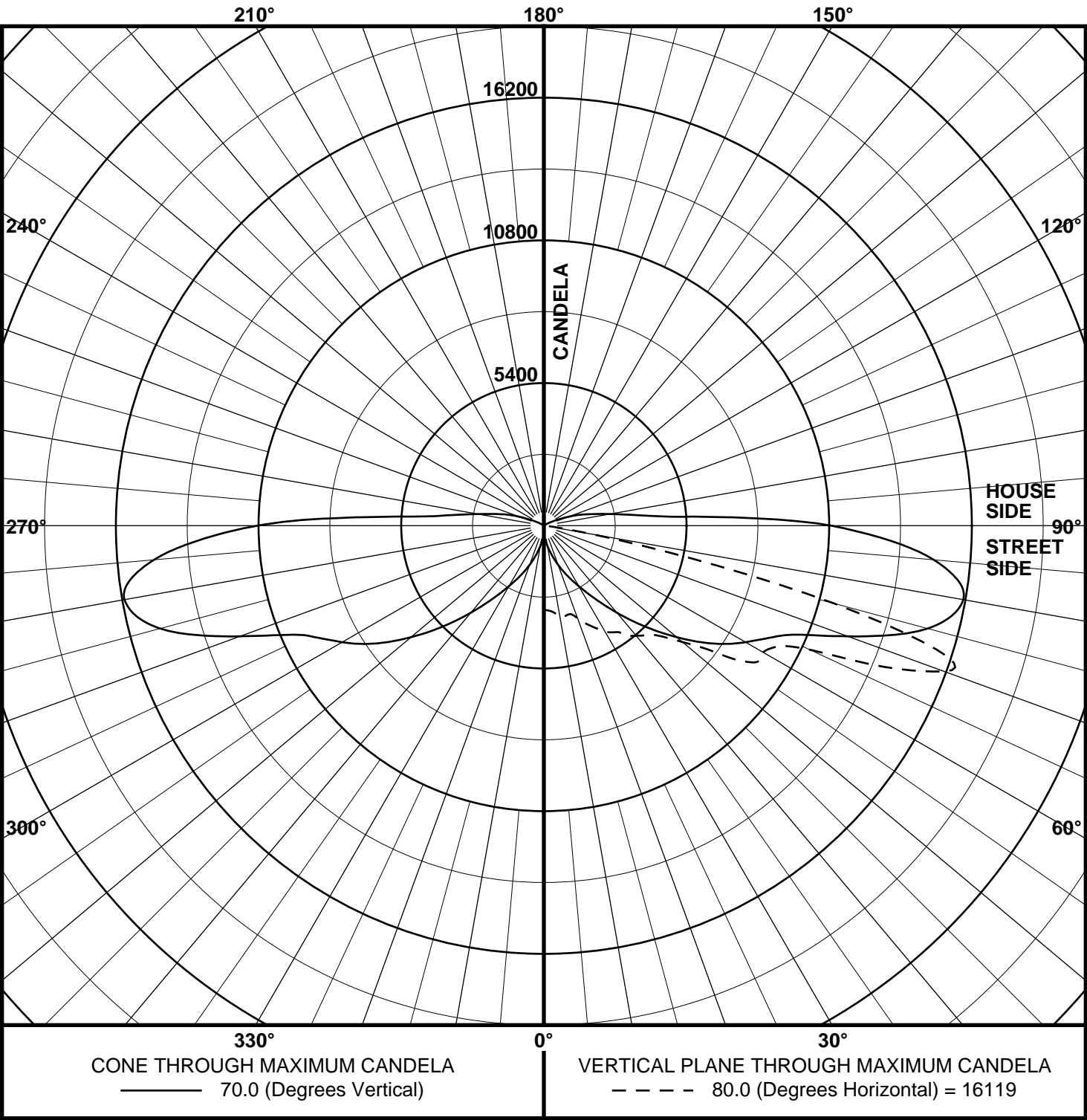
X Maximum Candela point



REPORT NUMBER: PRORATED FROM RAB04286
ISSUE DATE: 05/8/18
PREPARED FOR: RAB LIGHTING INC.
CATALOG NUMBER: ALED2T125N - RWLED2T125N - RWLED2T125SFN - WPLED2T125N (TYPE II)

PAGE: 3 OF 10

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



REPORT NUMBER: PRORATED FROM RAB04286

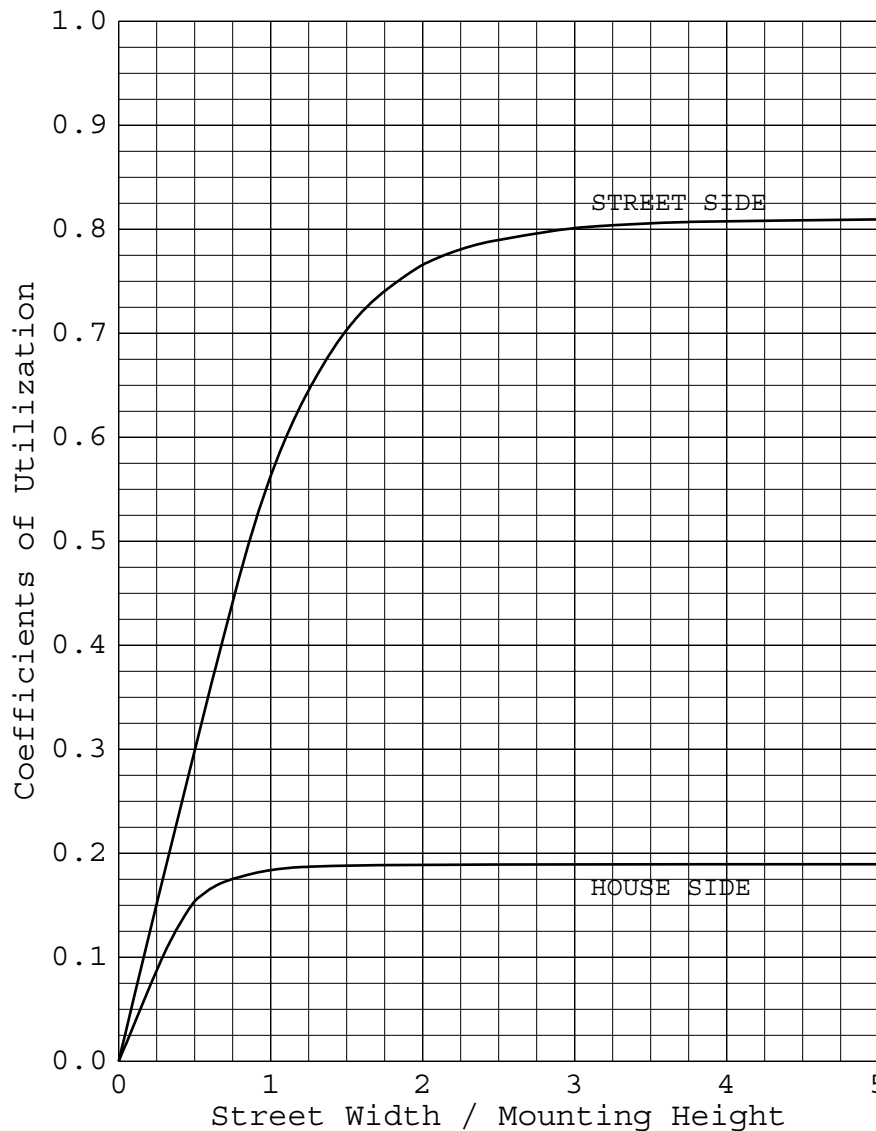
PAGE: 4 OF 10

ISSUE DATE: 05/8/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED2T125N - RWLED2T125N - RWLED2T125SFN - WPLED2T125N (TYPE II)

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	14193	81.0
DOWNWARD HOUSE SIDE	3330	19.0
DOWNWARD TOTAL	17523	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	17523	100.0

EFFICACY = 130.3 lm/W

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.

REPORT NUMBER: PRORATED FROM RAB04286

PAGE: 5 OF 10

ISSUE DATE: 05/8/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED2T125N - RWLED2T125N - RWLED2T125SFN - WPLED2T125N (TYPE II)

BUG Rating			B2 U0 G3		
Zonal Summary			Zone Ratings		
			B	U	G
Forward					
FL	(0° – 30°)	14193			
FM	(30° – 60°)	1595.9			
FH	(60° – 80°)	6961.3			
FVH	(80° – 90°)	5539.1			G3
		96.7			G1
Backward					
BL	(0° – 30°)	3330			
BM	(30° – 60°)	19.0	B2		
BH	(60° – 80°)	931.9	B2		
BVH	(80° – 90°)	1586.8	B2		G2
		795.8			G1
		15.3			
Upward					
UL	(90° – 100°)	0		U0	
UH	(100° – 180°)	0.0		U0	
Trapped Light					
Total Flux					
		0			
		17523			
		100.0			

REPORT NUMBER: PRORATED FROM RAB04286

PAGE: 6 OF 10

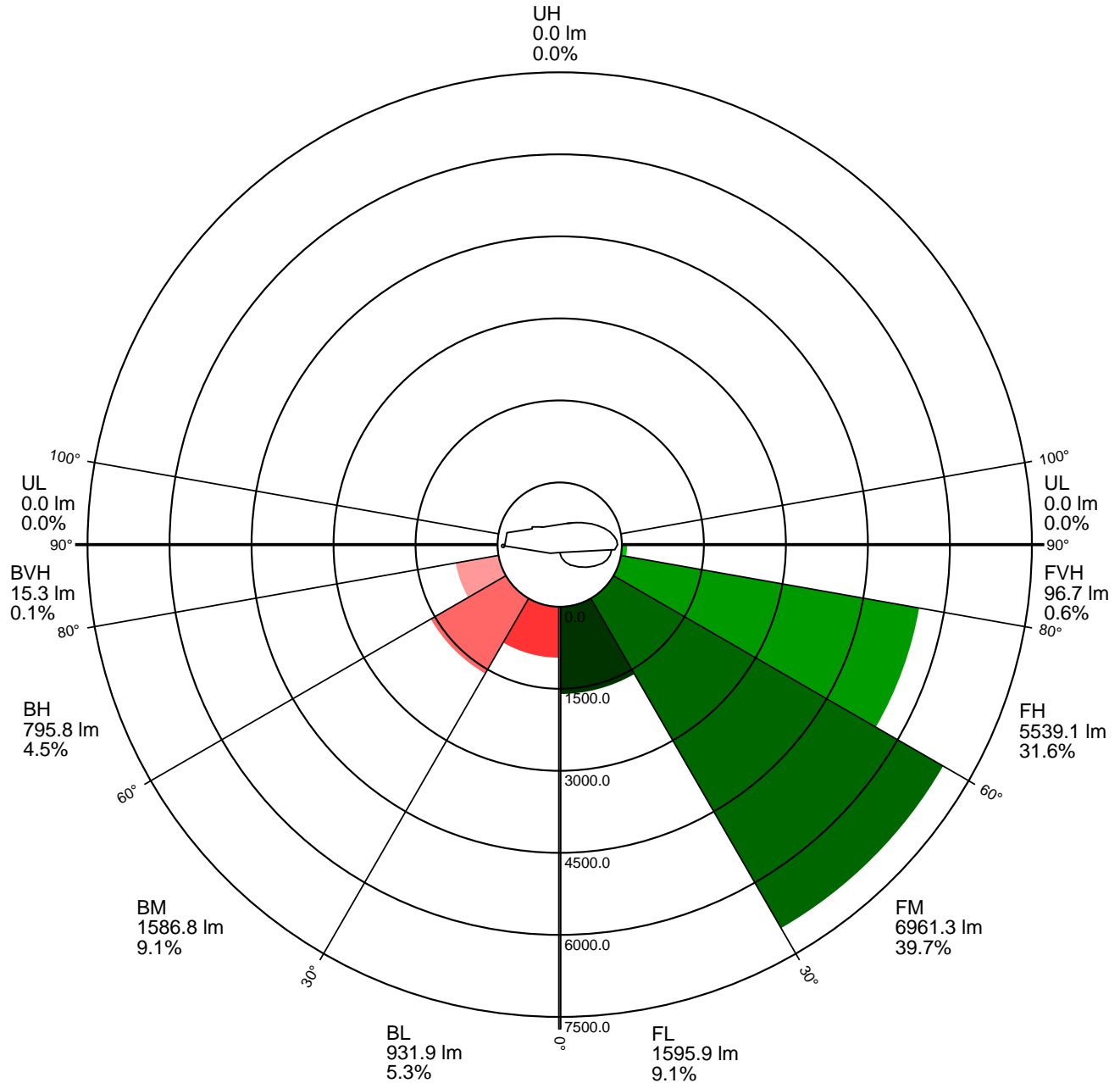
ISSUE DATE: 05/8/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED2T125N - RWLED2T125N - RWLED2T125SFN - WPLED2T125N (TYPE II)

Zonal Lumen Summary

(Linear scale)



REPORT NUMBER: PRORATED FROM RAB04286

PAGE: 7 OF 10

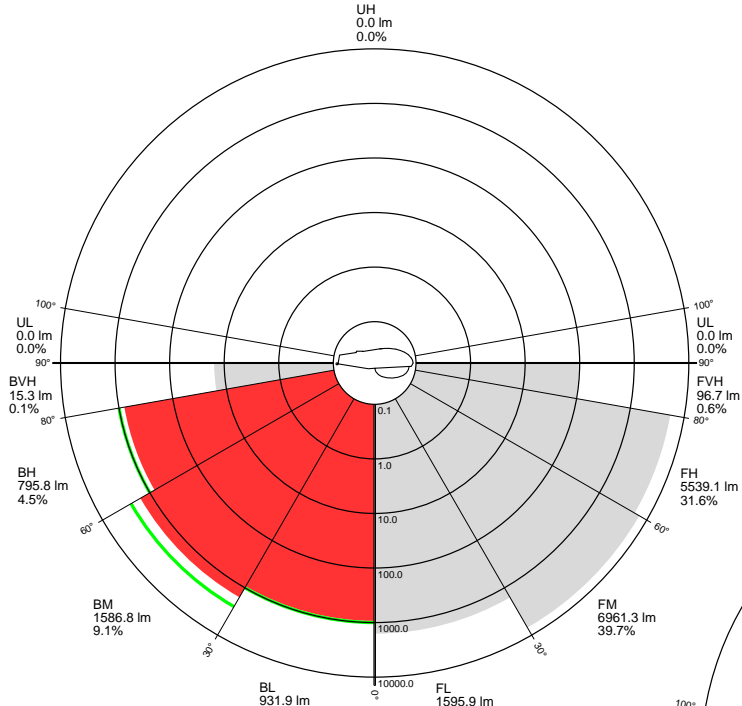
ISSUE DATE: 05/8/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED2T125N - RWLED2T125N - RWLED2T125SFN - WPLED2T125N (TYPE II)

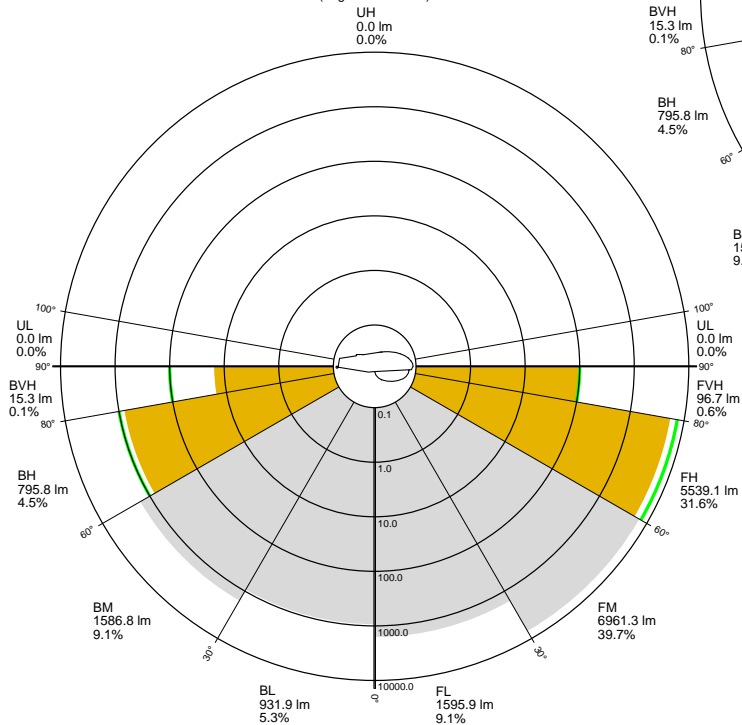
Backlight Rating Details

(Logarithmic scale)



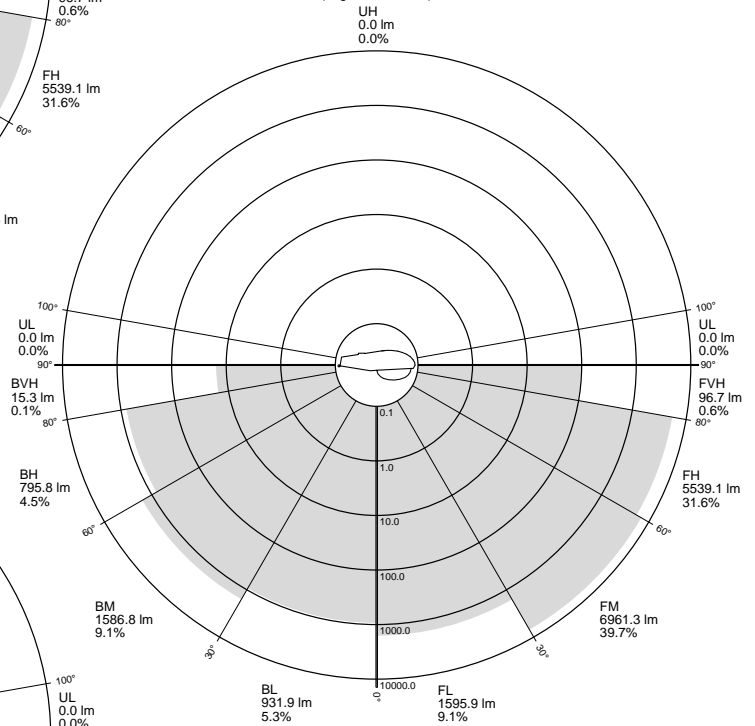
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



REPORT NUMBER: PRORATED FROM RAB04286

PAGE: 8 OF 10

ISSUE DATE: 05/8/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED2T125N - RWLED2T125N - RWLED2T125SFN - WPLED2T125N (TYPE II)

CANDELA TABULATION

	LATERAL ANGLE										
	STREET SIDE	0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	80.0
											85.0
	180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	155.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	145.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	135.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	92.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	1.	1.	3.	5.	9.	11.	14.	31.	20.	16.
	85.0	4.	3.	7.	8.	13.	26.	88.	53.	59.	64.
V	82.5	10.	6.	14.	21.	84.	194.	384.	477.	552.	496.
E	80.0	21.	16.	71.	185.	316.	617.	1367.	1817.	2249.	1900.
R	77.5	38.	39.	240.	438.	804.	1606.	3019.	4948.	6034.	5747.
T	75.0	66.	123.	467.	890.	1637.	2720.	4532.	7736.	11675.	11341.
I	72.5	161.	298.	799.	1475.	2456.	4012.	6288.	8709.	14756.	15584.
C	70.0<<	374.	531.	1151.	2075.	3370.	5385.	7773.	9855.	15038.	16119.
A	67.5	723.	765.	1596.	2755.	4372.	6692.	8455.	11073.	12595.	13970.
L	65.0	1132.	1118.	2144.	3515.	5405.	7592.	9123.	11590.	11673.	11110.
	62.5	1508.	1565.	2704.	4283.	6085.	7963.	9368.	11590.	10694.	9918.
A	60.0	1848.	2030.	3189.	4718.	6479.	8133.	9670.	11171.	10342.	9581.
N	57.5	2141.	2417.	3439.	5035.	6515.	8043.	9823.	10304.	9940.	9585.
G	55.0	2525.	2724.	3614.	5048.	6535.	8145.	9687.	9834.	9392.	8807.
L	52.5	2910.	3036.	3697.	5244.	6708.	8323.	9245.	9284.	8309.	7585.
E	50.0	3330.	3371.	3960.	5464.	6964.	8210.	8899.	8556.	7464.	6847.
	47.5	3650.	3729.	4293.	5669.	6973.	7712.	8281.	7786.	6717.	6260.
	45.0	3901.	4009.	4545.	5698.	6761.	7177.	7226.	7083.	6353.	5848.
	42.5	4082.	4203.	4662.	5531.	6245.	6723.	6434.	6358.	5867.	5632.
	40.0	4157.	4238.	4653.	5134.	5828.	6182.	6158.	5874.	5528.	5440.
	37.5	4093.	4123.	4581.	4813.	5326.	5828.	5780.	5662.	5373.	5256.
	35.0	3967.	3962.	4242.	4381.	4923.	5308.	5490.	5582.	5101.	4914.
	32.5	3821.	3831.	4087.	4164.	4512.	4849.	5223.	5335.	4983.	4787.
	30.0	3712.	3773.	4038.	4079.	4383.	4561.	4889.	4902.	4680.	4631.
	25.0	3533.	3577.	3713.	3898.	3865.	4032.	4177.	4189.	4184.	4182.
	20.0	3380.	3383.	3482.	3739.	3778.	3805.	3702.	3771.	3802.	3727.
	15.0	3415.	3394.	3440.	3560.	3684.	3700.	3676.	3684.	3560.	3488.
	10.0	3330.	3330.	3357.	3373.	3455.	3524.	3562.	3555.	3526.	3488.
	5.0	3263.	3267.	3277.	3277.	3287.	3273.	3272.	3267.	3290.	3255.
	0.0	3181.	3181.	3181.	3181.	3181.	3181.	3181.	3181.	3181.	3181.

||
PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA

REPORT NUMBER: PRORATED FROM RAB04286

PAGE: 9 OF 10

ISSUE DATE: 05/8/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED2T125N - RWLED2T125N - RWLED2T125SFN - WPLED2T125N (TYPE II)

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	11.	9.	10.	8.	7.	7.	6.	5.	4.	4.	4.
	85.0	29.	19.	14.	11.	10.	10.	8.	5.	5.	4.	4.
V	82.5	252.	108.	77.	26.	16.	12.	10.	12.	12.	11.	10.
E	80.0	1000.	541.	245.	90.	37.	13.	14.	16.	15.	12.	11.
R	77.5	2941.	1425.	239.	78.	36.	14.	14.	16.	15.	14.	12.
T	75.0	6128.	2388.	291.	117.	34.	23.	13.	15.	14.	13.	12.
I	72.5	9297.	3238.	1163.	292.	38.	27.	14.	14.	14.	12.	12.
C	70.0	<10886.	4147.	1691.	460.	59.	27.	15.	16.	16.	12.	12.
A	67.5	10296.	5174.	2601.	597.	78.	30.	16.	16.	17.	13.	12.
L	65.0	8728.	5119.	3358.	721.	192.	43.	26.	20.	19.	16.	13.
	62.5	7664.	5162.	2835.	840.	467.	84.	36.	26.	23.	19.	16.
A	60.0	7304.	5396.	2667.	1069.	791.	122.	48.	45.	48.	27.	18.
N	57.5	6864.	5355.	2425.	1171.	982.	262.	63.	53.	65.	32.	18.
G	55.0	6472.	5375.	2270.	1272.	981.	429.	89.	62.	84.	32.	21.
L	52.5	5929.	5291.	2525.	1497.	942.	542.	226.	76.	96.	31.	25.
E	50.0	5340.	4988.	2676.	1788.	1010.	561.	358.	158.	68.	38.	29.
	47.5	5228.	4831.	2747.	1862.	1031.	546.	434.	273.	149.	90.	70.
	45.0	5187.	4699.	2861.	1854.	1059.	621.	446.	356.	295.	162.	130.
	42.5	5073.	4556.	3040.	1893.	1099.	704.	431.	369.	326.	212.	173.
	40.0	4893.	4377.	3332.	1989.	1194.	774.	499.	355.	311.	222.	188.
	37.5	4719.	4284.	3568.	2101.	1336.	854.	604.	418.	277.	223.	197.
	35.0	4445.	4248.	3576.	2260.	1441.	986.	678.	531.	336.	261.	234.
	32.5	4395.	4264.	3621.	2412.	1592.	1104.	773.	610.	424.	336.	306.
	30.0	4284.	4166.	3538.	2564.	1787.	1212.	871.	666.	480.	434.	408.
	25.0	3954.	3847.	3371.	2902.	2085.	1556.	1126.	840.	681.	632.	612.
	20.0	3609.	3566.	3226.	2857.	2449.	1959.	1598.	1281.	1100.	1046.	1008.
	15.0	3400.	3392.	3220.	3003.	2796.	2563.	2250.	1936.	1784.	1769.	1717.
	10.0	3421.	3413.	3298.	3169.	2998.	2838.	2670.	2521.	2450.	2378.	2356.
	5.0	3201.	3186.	3147.	3122.	3083.	3012.	2965.	2952.	2913.	2896.	2869.
	0.0	3181.	3181.	3181.	3181.	3181.	3181.	3181.	3181.	3181.	3181.	3181.

CONE OF MAXIMUM CANDELA

REPORT NUMBER: PRORATED FROM RAB04286

PAGE: 10 OF 10

ISSUE DATE: 05/8/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED2T125N - RWLED2T125N - RWLED2T125SFN - WPLED2T125N (TYPE II)

5-DEGREE ZONAL LUMEN SUMMARY

0- 5	76
5- 10	225
10- 15	370
15- 20	487
20- 25	610
25- 30	760
30- 35	928
35- 40	1114
40- 45	1321
45- 50	1543
50- 55	1736
55- 60	1905
60- 65	1982
65- 70	1990
70- 75	1638
75- 80	725
80- 85	106
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	301
0- 20	1158
0- 30	2528
0- 40	4571
0- 50	7435
0- 60	11076
0- 70	15048
0- 80	17411
0- 90	17523
0-100	17523
0-110	17523
0-120	17523
0-130	17523
0-140	17523
0-150	17523
0-160	17523
0-170	17523
0-180	17523