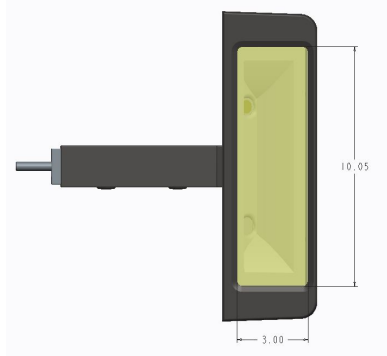


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 20 foot mounting height.

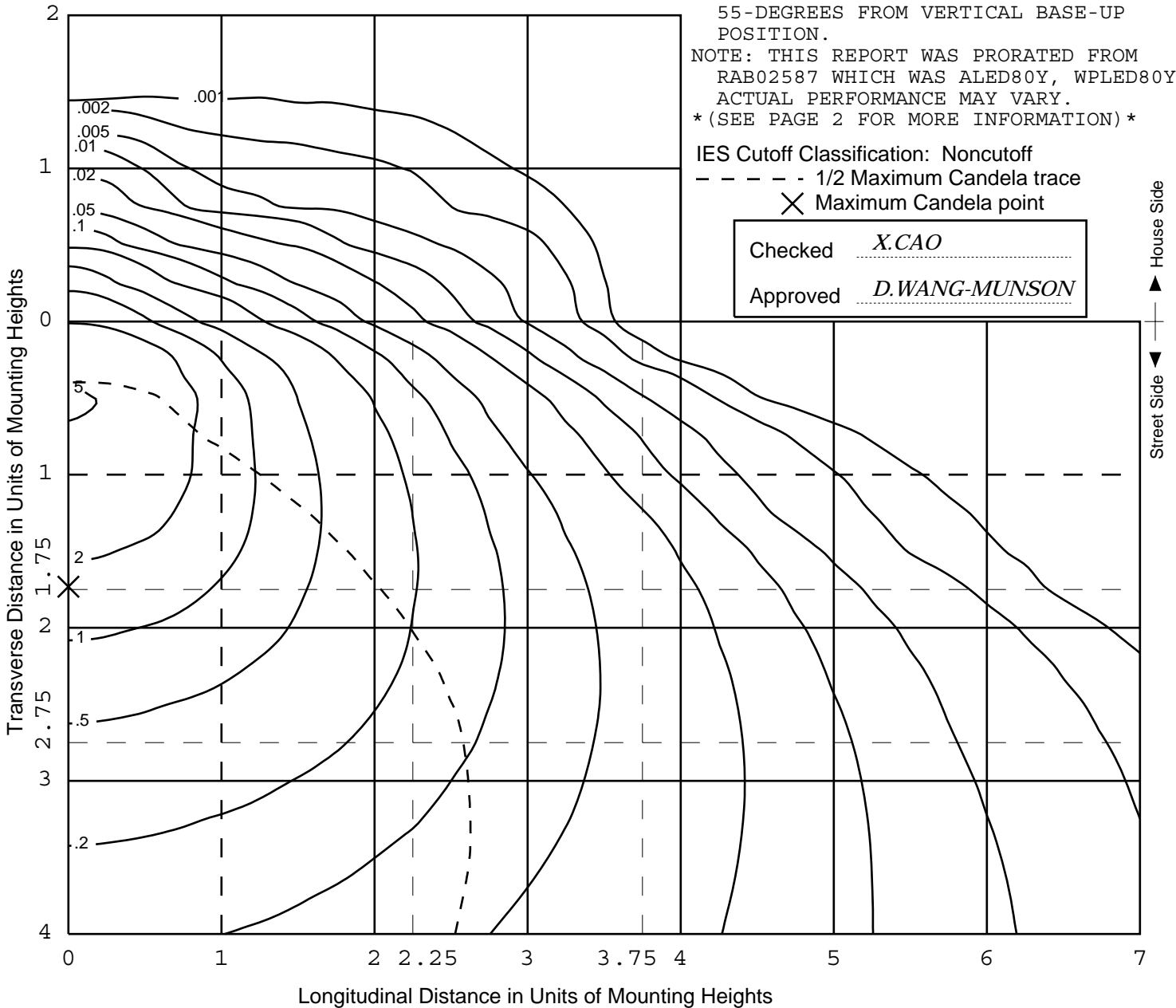


REPORT NUMBER: PRORATED FROM RAB02587
 ISSUE DATE: 10/28/16 PAGE: 1 OF 9
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: ALED52/480, WPLED52/480
 (15-DEGREE UPTILT - STANDARD CUTOFF)
 LUMINAIRE: CAST FINNED METAL HOUSING,
 2-PIECE EXTRUDED METAL HEAT SINK, 2
 CIRCUIT BOARDS EACH WITH 1 LED,
 MOLDED PLASTIC REFLECTOR WITH
 SPECULAR FINISH AND 1 OPTICAL
 COMPARTMENT WITH 1 APERTURE PER LED,
 CLEAR FLAT GLASS LENS IN CAST BROWN
 PAINTED METAL FRAME.
 LAMPS: TWO WHITE MULTI-CHIP LIGHT
 EMITTING DIODES (LEDs), TILTED
 55-DEGREES FROM VERTICAL BASE-UP
 POSITION.

NOTE: THIS REPORT WAS PRORATED FROM
 RAB02587 WHICH WAS ALED80Y, WPLED80Y.
 ACTUAL PERFORMANCE MAY VARY.
 (SEE PAGE 2 FOR MORE INFORMATION)

IES Cutoff Classification: Noncutoff

--- 1/2 Maximum Candela trace
 X Maximum Candela point



REPORT NUMBER: PRORATED FROM RAB02587
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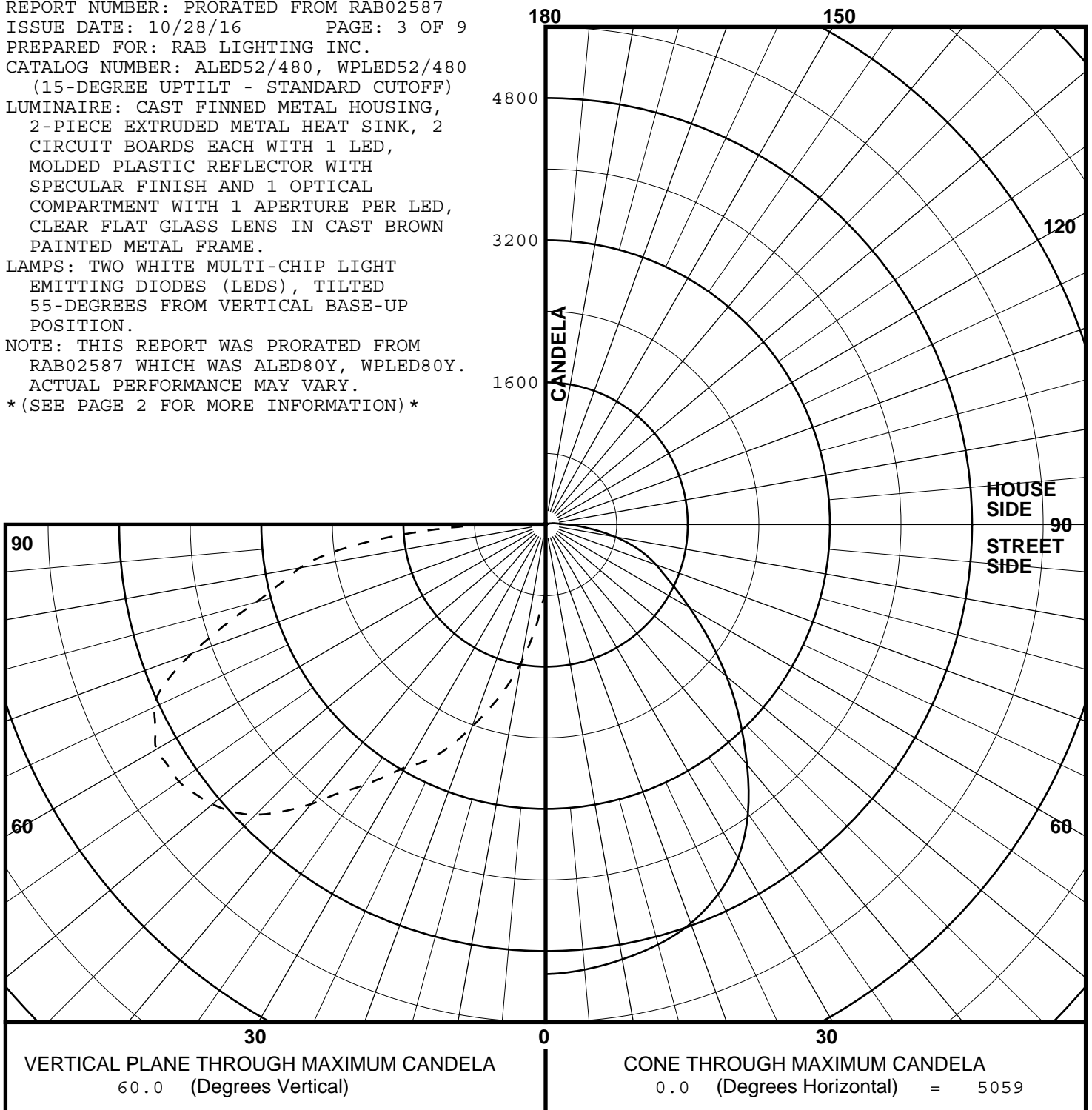
PAGE: 2 OF 9

ADDITIONAL INFORMATION

TOTAL INPUT WATTS = 58.4 W AT 480.0 VAC.
LED DRIVER: RD-H065-A1810-480
TEST PROCEDURE: IESNA LM-79-08

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

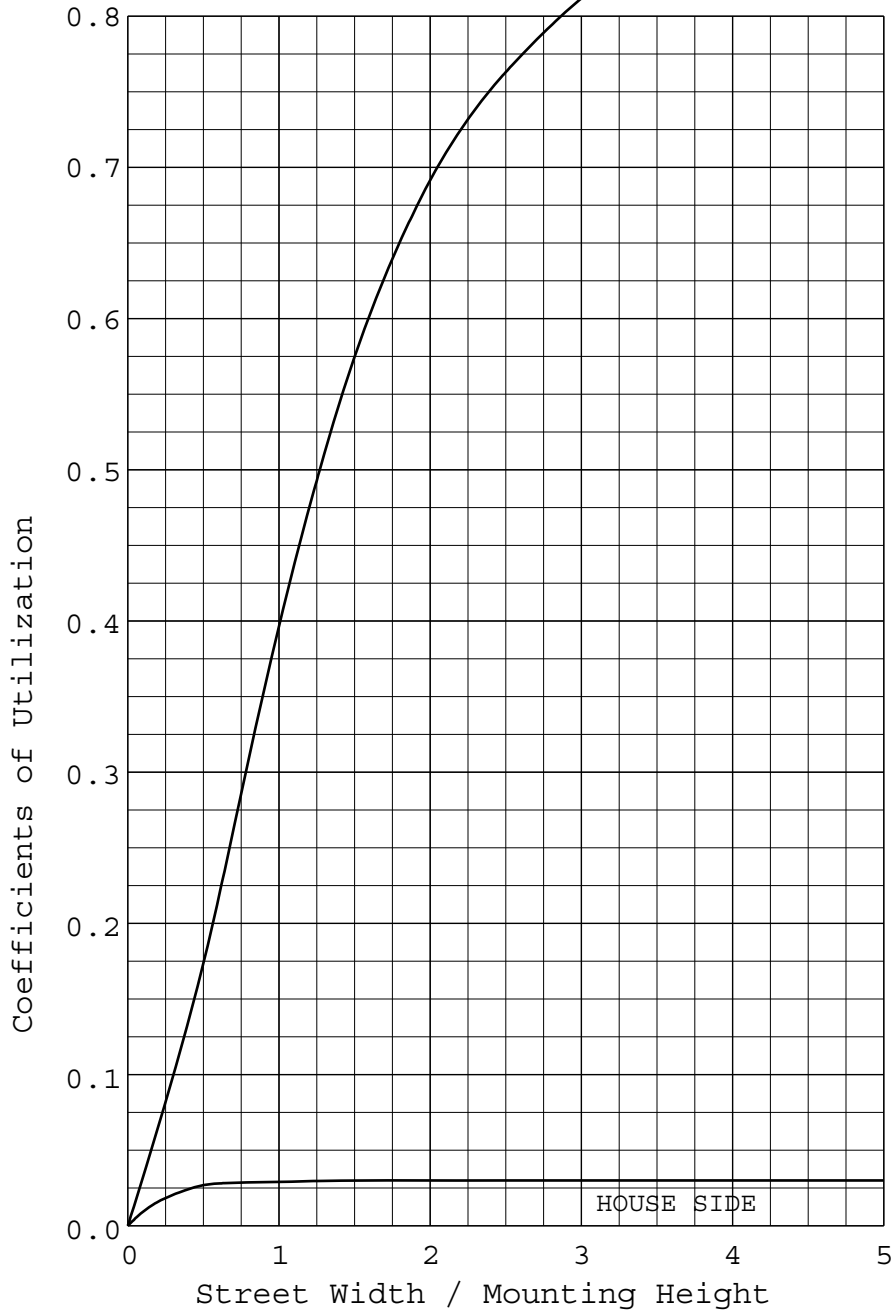
REPORT NUMBER: PRORATED FROM RAB02587
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REPORT NUMBER: PRORATED FROM RAB02587
 ISSUE DATE: 10/28/16
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PAGE: 4 OF 9

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	6928.	95.9
DOWNWARD HOUSE SIDE	223.	3.1
DOWNWARD TOTAL	7150.	99.0
UPWARD STREET SIDE	47.	0.7
UPWARD HOUSE SIDE	28.	0.4
UPWARD TOTAL	76.	1.0
TOTAL FLUX	7226.	100.0

TOTAL INPUT WATTS = 58.4
 EFFICACY = 123.7 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 RAB02587
 ISSUE DATE: 10/28/16
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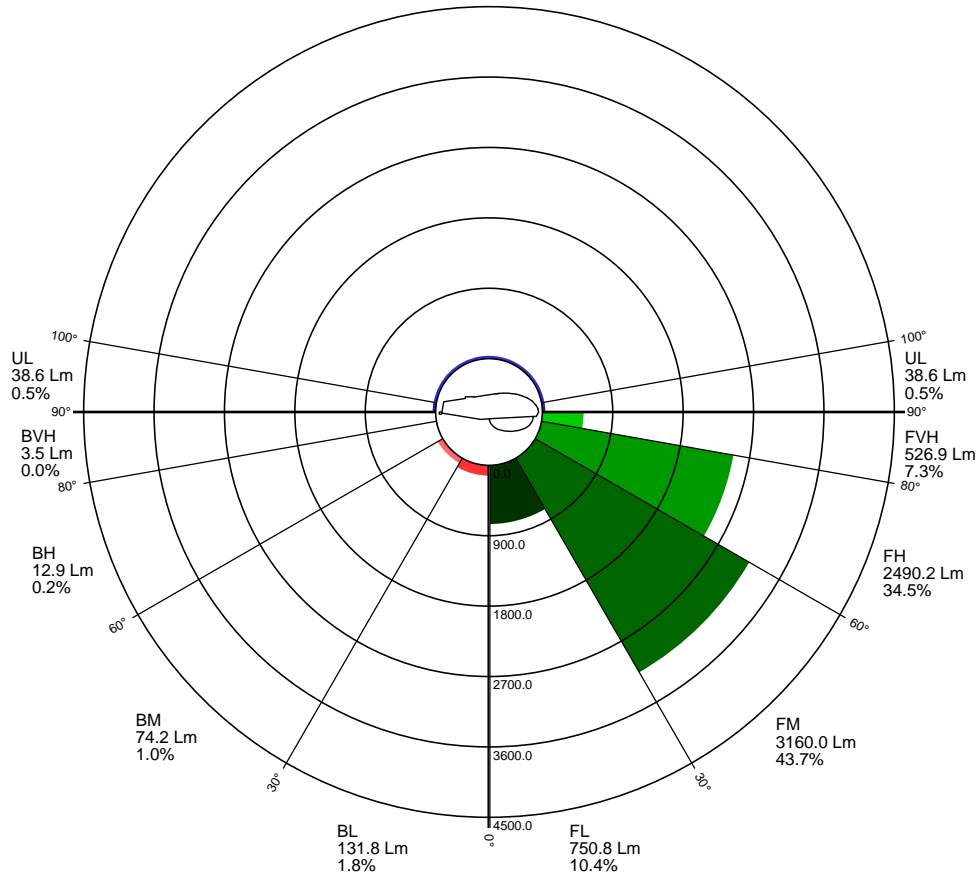
PAGE: 5 OF 9

BUG Rating:				B1 U2 G4		
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		6928	95.9			
FL	(0° - 30°)	750.8	10.4			
FM	(30° - 60°)	3160.0	43.7			
FH	(60° - 80°)	2490.2	34.5			G2
FVH	(80° - 90°)	526.9	7.3			G4
Backward		223	3.1			
BL	(0° - 30°)	131.8	1.8	B1		
BM	(30° - 60°)	74.2	1.0	B0		
BH	(60° - 80°)	12.9	0.2	B0		G0
BVH	(80° - 90°)	3.5	0.0			G0
Upward		76	1.0			
UL	(90° - 100°)	38.6	0.5		U2	
UH	(100° - 180°)	37.1	0.5		U2	
Trapped Light		0	0.0			
Total Flux		7226	100.0			

Zonal Lumen Summary

(Linear scale)

UH
37.1 Lm
0.5%

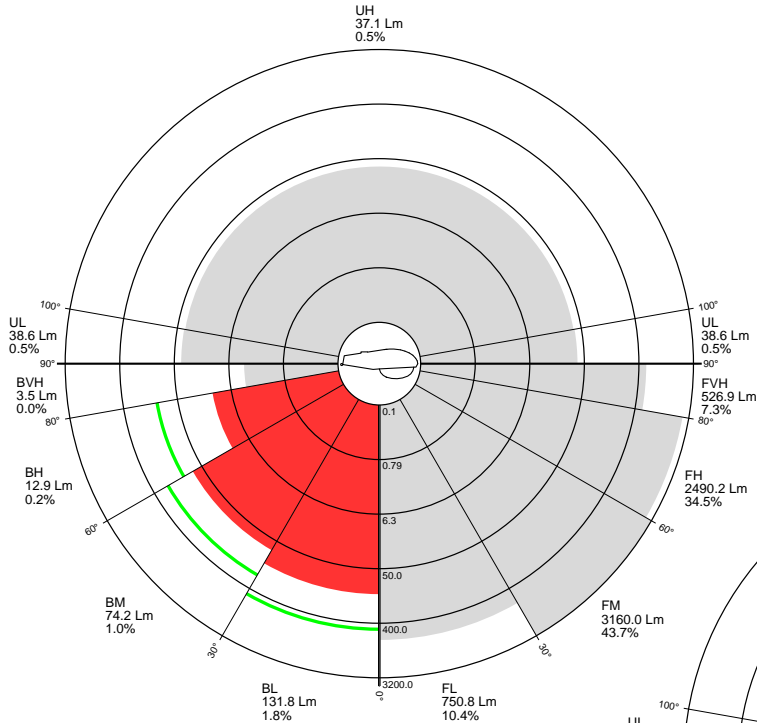


REPORT NUMBER: PRORATED FROM RAB02587
ISSUE DATE: 10/28/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 6 OF 9

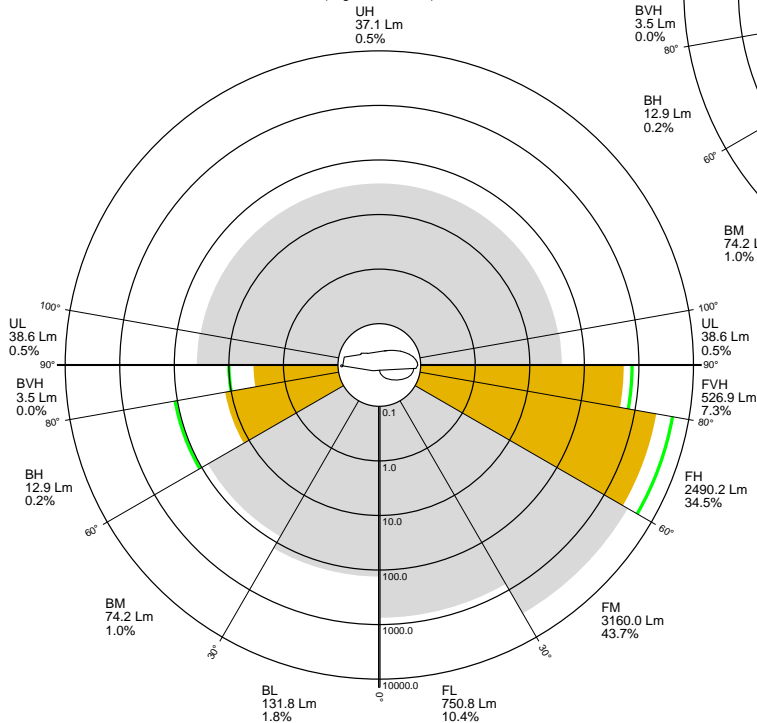
Backlight Rating Details

(Logarithmic scale)



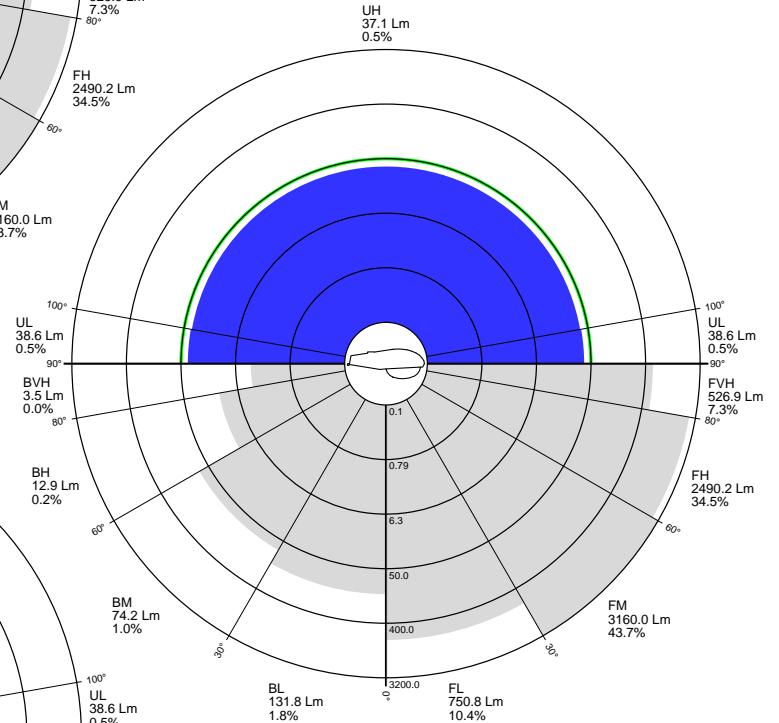
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



REPORT NUMBER: PRORATED FROM RAB02587
 ISSUE DATE: 10/28/16
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 7 OF 9

CANDELA TABULATION

	STREET SIDE	LATERAL ANGLE								
		0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0 85.0
	180.0	5.	5.	5.	5.	5.	5.	5.	5.	5.
	175.0	0.	1.	2.	3.	5.	5.	7.	8.	9.
	165.0	0.	1.	2.	3.	5.	5.	7.	8.	9.
	155.0	0.	1.	2.	3.	5.	5.	7.	8.	9.
	145.0	0.	1.	2.	3.	5.	5.	7.	8.	9.
	135.0	0.	1.	2.	3.	4.	5.	6.	8.	9.
	125.0	0.	1.	2.	3.	5.	5.	6.	8.	9.
	115.0	0.	1.	2.	3.	5.	5.	6.	8.	9.
	105.0	0.	1.	2.	3.	4.	5.	6.	8.	9.
	95.0	69.	64.	56.	37.	19.	9.	7.	7.	8.
	90.0	602.	576.	584.	543.	436.	261.	116.	50.	9.
	87.5	1235.	1200.	1201.	1142.	986.	690.	323.	147.	24.
	85.0	1875.	1839.	1813.	1707.	1520.	1182.	609.	225.	46.
V	82.5	2441.	2426.	2354.	2197.	1961.	1528.	903.	388.	86.
E	80.0	2806.	2779.	2664.	2468.	2222.	1811.	1249.	646.	136.
R	77.5	3057.	3044.	2918.	2763.	2539.	2153.	1576.	882.	233.
T	75.0	3377.	3347.	3236.	3117.	2943.	2457.	1830.	1074.	369.
I	72.5	3803.	3755.	3642.	3523.	3357.	2716.	1966.	1227.	509.
C	70.0	4237.	4179.	4065.	3936.	3723.	2855.	2074.	1339.	660.
A	67.5	4623.	4588.	4480.	4287.	3854.	2969.	2154.	1416.	802.
L	65.0	4862.	4843.	4688.	4410.	3965.	3042.	2208.	1465.	933.
	62.5	4952.	4921.	4804.	4562.	3988.	3079.	2237.	1502.	1023.
A	60.0<<	5059.	5028.	4893.	4590.	3969.	3084.	2244.	1560.	1086.
N	57.5	5043.	5029.	4896.	4567.	3914.	3057.	2225.	1632.	1128.
G	55.0	5039.	5019.	4846.	4481.	3816.	3000.	2196.	1695.	1154.
L	52.5	4977.	4954.	4759.	4363.	3724.	2913.	2185.	1745.	1180.
E	50.0	4896.	4861.	4642.	4228.	3613.	2828.	2237.	1786.	1202.
	47.5	4781.	4742.	4508.	4080.	3466.	2734.	2300.	1811.	1221.
	45.0	4616.	4565.	4316.	3898.	3330.	2716.	2347.	1820.	1238.
	42.5	4380.	4342.	4092.	3698.	3197.	2737.	2367.	1816.	1252.
	40.0	4107.	4082.	3858.	3492.	3133.	2743.	2356.	1801.	1268.
	37.5	3805.	3790.	3616.	3349.	3068.	2724.	2310.	1787.	1279.
	35.0	3584.	3567.	3445.	3223.	2992.	2682.	2251.	1765.	1285.
	30.0	3152.	3155.	3108.	3001.	2810.	2478.	2084.	1695.	1270.
	25.0	2850.	2858.	2819.	2686.	2476.	2190.	1901.	1572.	1213.
	20.0	2420.	2431.	2413.	2289.	2124.	1926.	1693.	1429.	1138.
	15.0	2006.	2015.	2017.	1919.	1786.	1634.	1470.	1264.	1039.
	10.0	1575.	1590.	1582.	1522.	1427.	1327.	1227.	1077.	938.
	5.0	1118.	1129.	1138.	1096.	1049.	1010.	963.	894.	840.
	0.0	753.	753.	753.	753.	753.	753.	753.	753.	753.
		PLANE OF MAXIMUM CANDELA								
		CONE OF MAXIMUM CANDELA								

REPORT NUMBER: PRORATED FROM RAB02587
ISSUE DATE: 10/28/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 8 OF 9

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	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
175.0	9.	9.	9.	9.	8.	6.	5.	4.	3.	2.	2.
165.0	10.	10.	10.	9.	8.	7.	6.	5.	5.	5.	5.
155.0	10.	10.	10.	9.	9.	8.	7.	6.	6.	6.	6.
145.0	10.	10.	10.	9.	9.	8.	8.	8.	8.	8.	8.
135.0	9.	10.	9.	9.	9.	8.	8.	8.	9.	9.	9.
125.0	9.	9.	9.	9.	9.	8.	9.	9.	9.	9.	9.
115.0	9.	9.	9.	9.	9.	9.	9.	10.	11.	11.	11.
105.0	9.	9.	9.	9.	9.	9.	10.	11.	12.	12.	12.
95.0	9.	9.	9.	9.	9.	9.	9.	9.	9.	9.	9.
90.0	8.	9.	9.	9.	8.	8.	7.	8.	8.	8.	8.
87.5	9.	8.	8.	8.	8.	7.	7.	6.	6.	6.	6.
85.0	9.	8.	8.	8.	7.	7.	6.	5.	5.	5.	5.
V 82.5	9.	8.	7.	7.	6.	6.	5.	5.	3.	3.	3.
E 80.0	9.	8.	7.	6.	5.	5.	5.	4.	2.	2.	1.
R 77.5	9.	8.	7.	6.	5.	5.	4.	3.	2.	1.	0.
T 75.0	10.	9.	10.	7.	5.	4.	3.	2.	1.	0.	0.
I 72.5	46.	38.	16.	9.	5.	4.	3.	2.	1.	0.	0.
C 70.0	79.	59.	17.	12.	5.	4.	2.	2.	0.	0.	0.
A 67.5	114.	79.	20.	14.	6.	4.	2.	2.	0.	0.	0.
L 65.0	159.	100.	24.	14.	8.	4.	2.	1.	0.	0.	0.
62.5	207.	121.	35.	13.	9.	5.	3.	2.	0.	0.	0.
A 60.0<<	244.	136.	51.	13.	9.	5.	3.	2.	0.	0.	0.
N 57.5	276.	145.	68.	15.	9.	6.	4.	3.	2.	0.	0.
G 55.0	305.	154.	83.	18.	9.	8.	5.	4.	2.	1.	1.
L 52.5	332.	166.	96.	22.	10.	9.	7.	6.	5.	4.	4.
E 50.0	361.	177.	108.	32.	12.	9.	10.	10.	11.	9.	9.
47.5	383.	193.	122.	52.	16.	12.	13.	14.	15.	14.	14.
45.0	403.	207.	131.	74.	24.	15.	16.	17.	20.	19.	19.
42.5	419.	221.	140.	93.	35.	20.	18.	20.	22.	22.	23.
40.0	434.	238.	151.	108.	55.	29.	23.	22.	23.	24.	24.
37.5	459.	262.	164.	122.	78.	38.	29.	25.	25.	26.	26.
35.0	493.	296.	180.	135.	99.	55.	38.	31.	28.	27.	28.
30.0	570.	386.	228.	175.	142.	115.	84.	58.	49.	48.	48.
25.0	634.	473.	293.	257.	211.	188.	173.	152.	134.	119.	119.
20.0	686.	554.	379.	327.	299.	268.	258.	247.	244.	236.	239.
15.0	719.	621.	462.	385.	370.	361.	336.	328.	327.	324.	326.
10.0	737.	675.	559.	474.	426.	404.	397.	398.	398.	398.	398.
5.0	748.	717.	662.	613.	571.	537.	510.	489.	483.	470.	470.
0.0	753.	753.	753.	753.	753.	753.	753.	753.	753.	753.	753.

CONE OF MAXIMUM CANDELA

REPORT NUMBER: PRORATED FROM RAB02587
ISSUE DATE: 10/28/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 9 OF 9

5-DEGREE ZONAL LUMEN SUMMARY

0- 5	18
5- 10	59
10- 15	110
15- 20	168
20- 25	231
25- 30	297
30- 35	364
35- 40	435
40- 45	510
45- 50	582
50- 55	646
55- 60	697
60- 65	720
65- 70	697
70- 75	605
75- 80	482
80- 85	354
85- 90	177
90- 95	33
95-100	6
100-105	4
105-110	4
110-115	4
115-120	4
120-125	3
125-130	3
130-135	3
135-140	3
140-145	2
145-150	2
150-155	2
155-160	1
160-165	1
165-170	1
170-175	0
175-180	0

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	77
0- 20	355
0- 30	883
0- 40	1681
0- 50	2774
0- 60	4117
0- 70	5533
0- 80	6620
0- 90	7150
0-100	7189
0-110	7197
0-120	7205
0-130	7211
0-140	7216
0-150	7221
0-160	7224
0-170	7226
0-180	7226