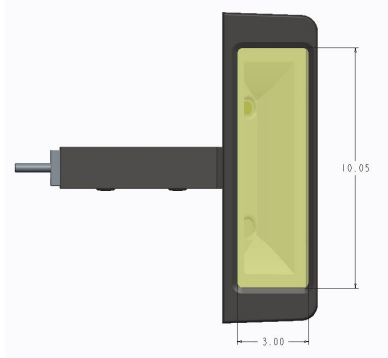


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

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: ALED52Y/480,
 WPLED52Y/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.

(SEE PAGE 2 FOR MORE INFORMATION)

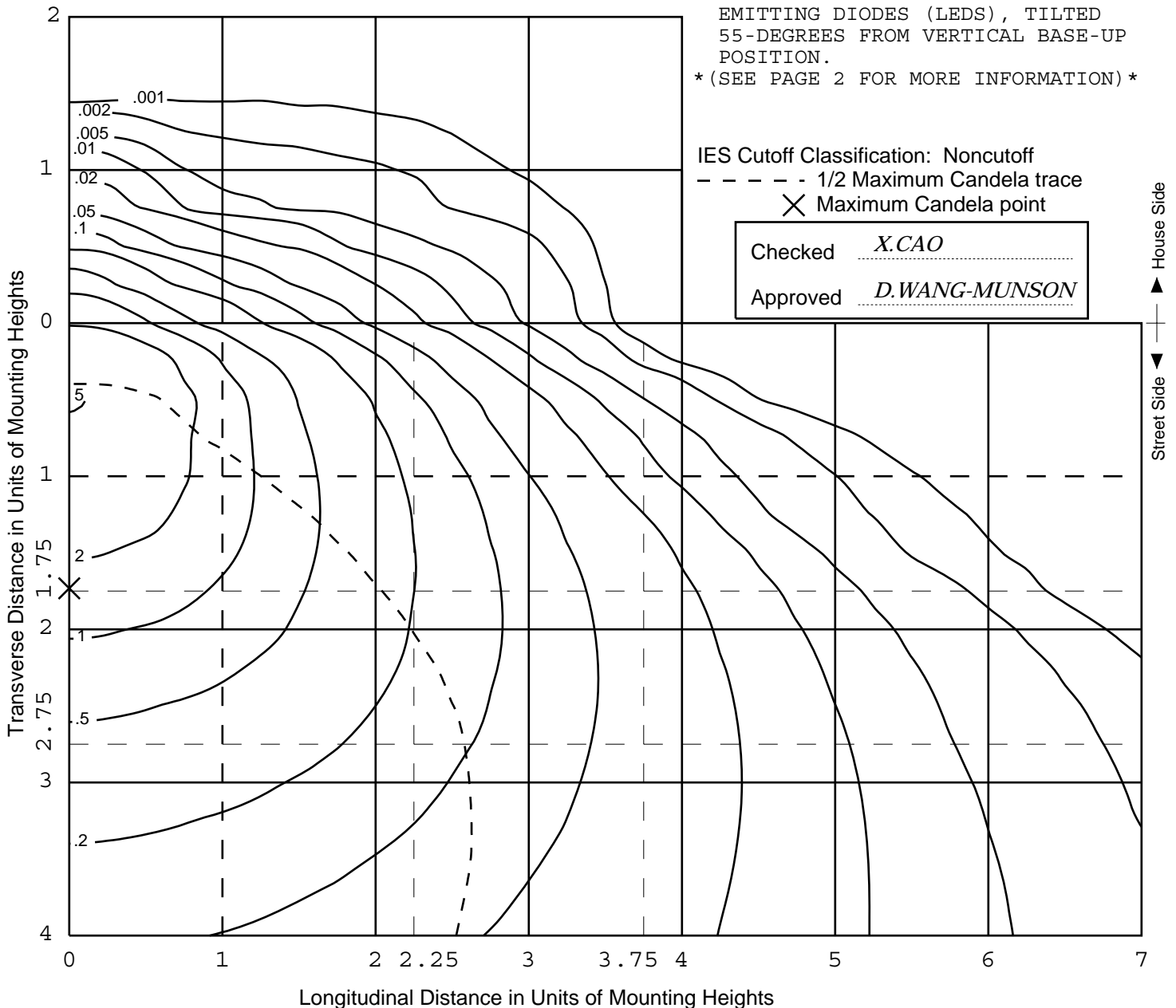
IES Cutoff Classification: Noncutoff

--- 1/2 Maximum Candela trace

X Maximum Candela point

Checked X.CAO

Approved D.WANG-MUNSON



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

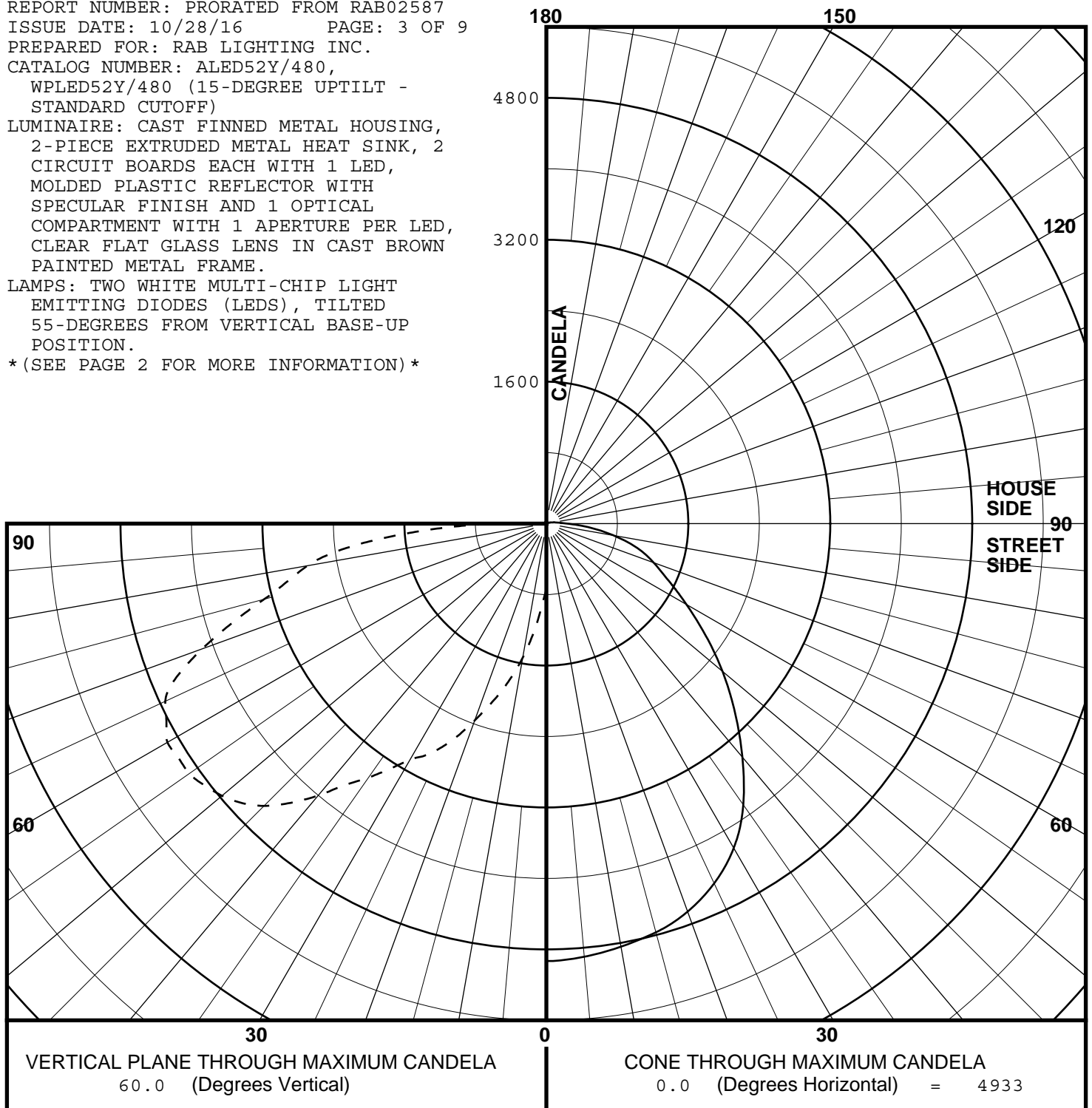
PAGE: 2 OF 9

ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB02587 WHICH WAS ALED80Y,
WPLED80Y. ACTUAL PERFORMANCE MAY VARY.
TOTAL INPUT WATTS = 57.8 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

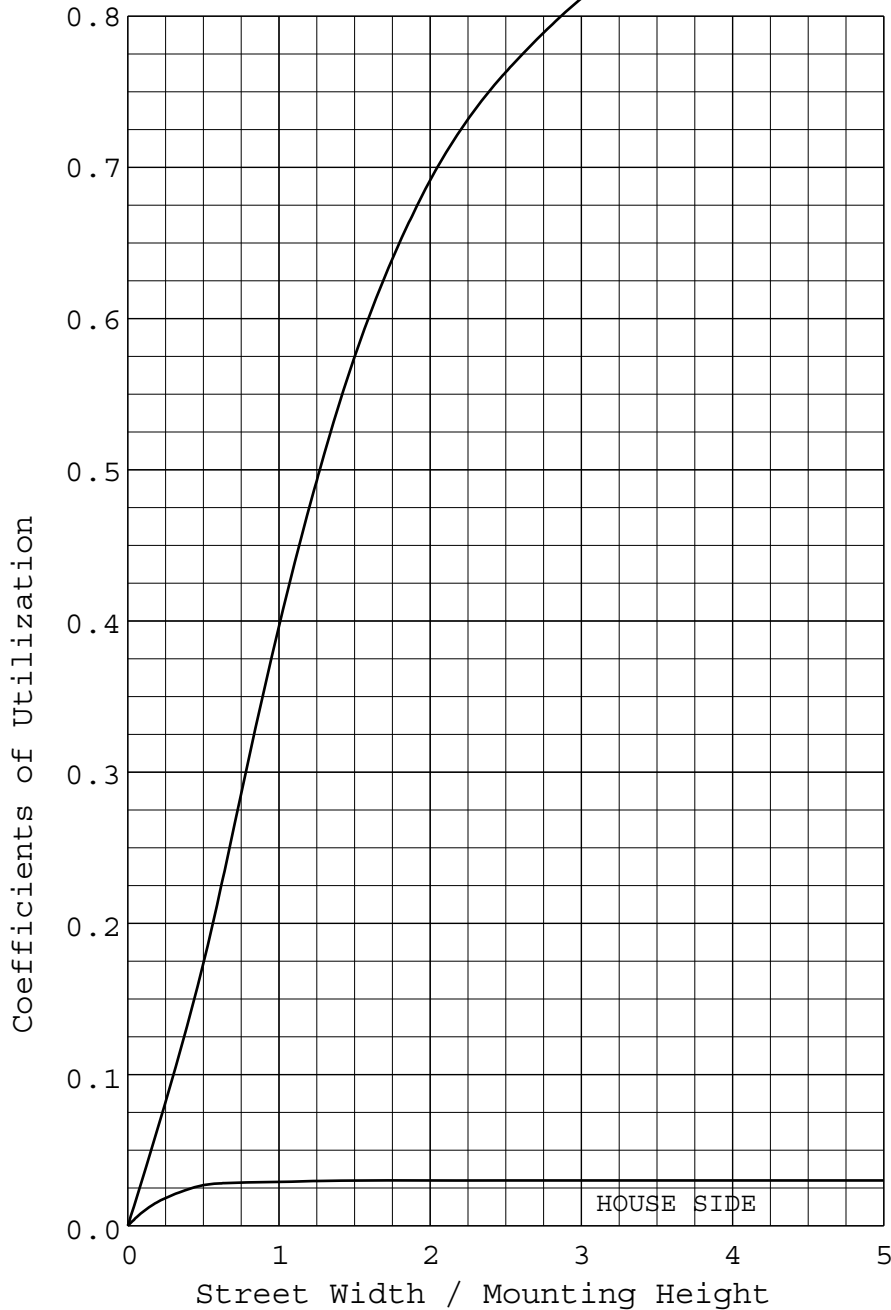
REPORT NUMBER: PRORATED FROM RAB02587
 ISSUE DATE: 10/28/16 PAGE: 3 OF 9
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: ALED52Y/480,
 WPLED52Y/480 (15-DEGREE UPTILT -
 STANDARD CUTOFF)
 LUMINAIRE: CAST FINNED METAL HOUSING,
 2-PIECE EXTRUDED METAL HEAT SINK, 2
 CIRCUIT BOARDS EACH WITH 1 LED,
 MOLDED 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.
 (SEE PAGE 2 FOR MORE INFORMATION)



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

PAGE: 4 OF 9

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	6755.	95.9
DOWNWARD HOUSE SIDE	217.	3.1
DOWNWARD TOTAL	6972.	99.0
UPWARD STREET SIDE	46.	0.7
UPWARD HOUSE SIDE	28.	0.4
UPWARD TOTAL	74.	1.0
TOTAL FLUX	7045.	100.0

TOTAL INPUT WATTS = 57.8
 EFFICACY = 121.9 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
 PREPARED FOR: RAB LIGHTING INC.

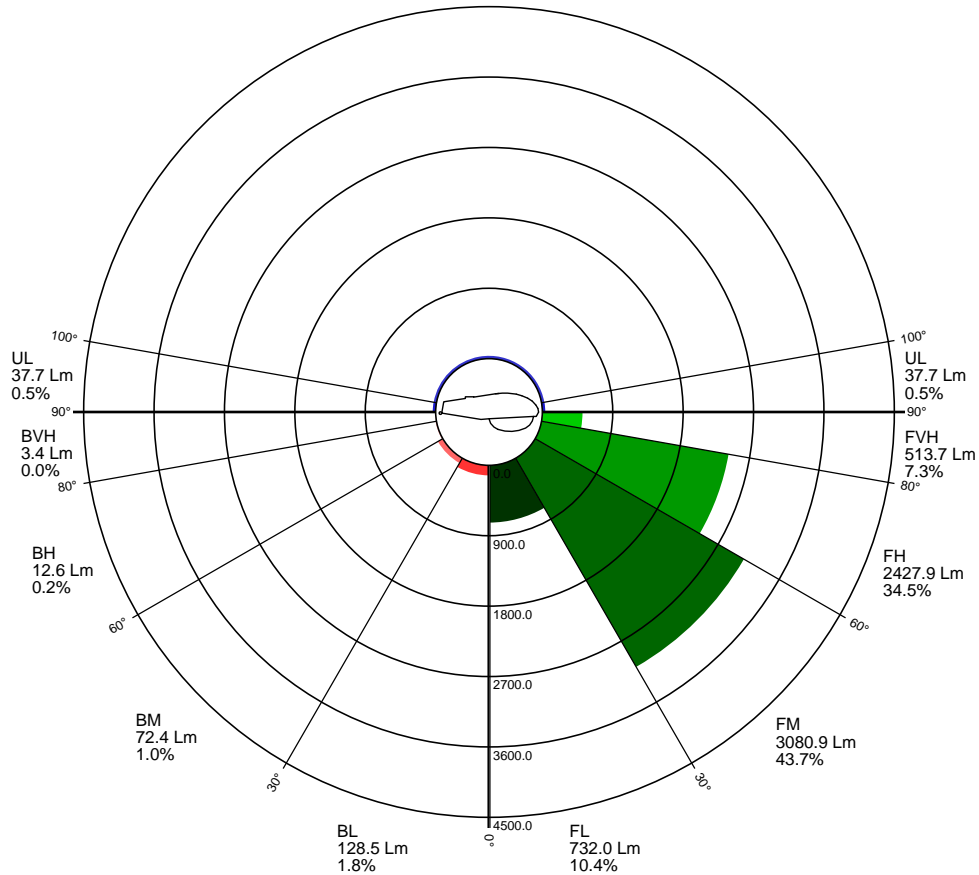
PAGE: 5 OF 9

BUG Rating:				B1 U2 G4		
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		6755	95.9			
FL	(0° - 30°)	732.0	10.4			
FM	(30° - 60°)	3080.9	43.7			
FH	(60° - 80°)	2427.9	34.5			G2
FVH	(80° - 90°)	513.7	7.3			G4
Backward		217	3.1			
BL	(0° - 30°)	128.5	1.8	B1		
BM	(30° - 60°)	72.4	1.0	B0		
BH	(60° - 80°)	12.6	0.2	B0		G0
BVH	(80° - 90°)	3.4	0.0			G0
Upward		74	1.0			
UL	(90° - 100°)	37.7	0.5		U2	
UH	(100° - 180°)	36.2	0.5		U2	
Trapped Light		0	0.0			
Total Flux		7045	100.0			

Zonal Lumen Summary

(Linear scale)

UH
36.2 Lm
0.5%

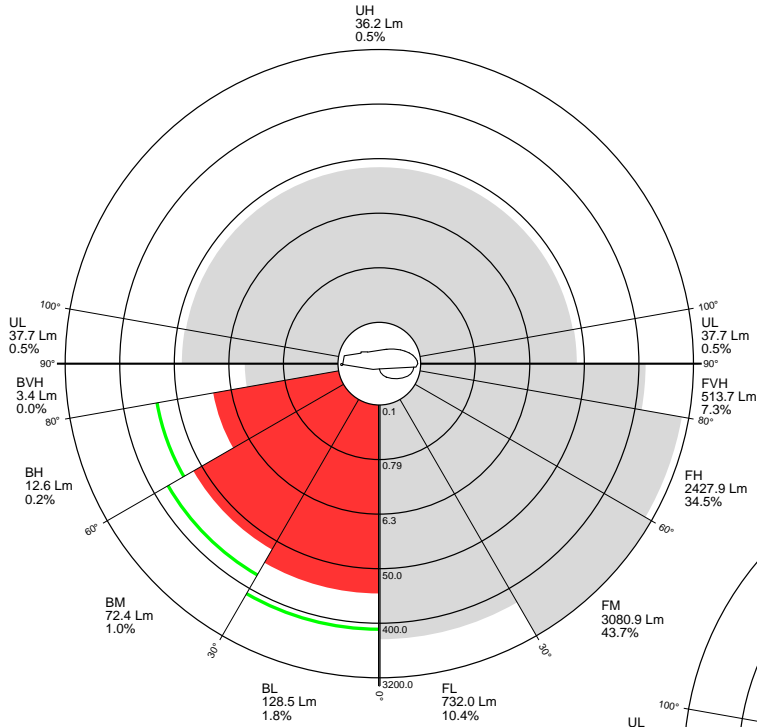


REPORT NUMBER: PRORATED FROM RAB02587
 ISSUE DATE: 10/28/16
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 6 OF 9

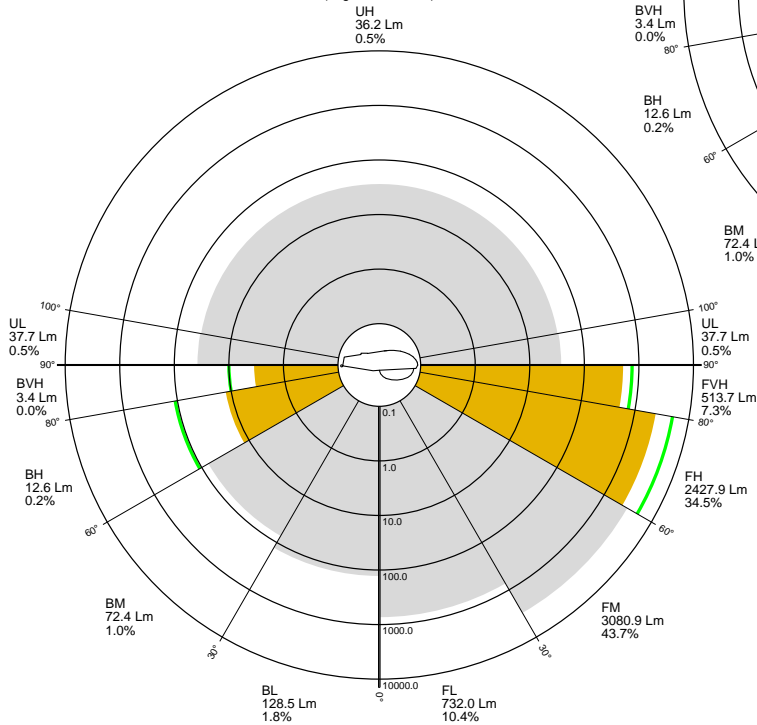
Backlight Rating Details

(Logarithmic scale)



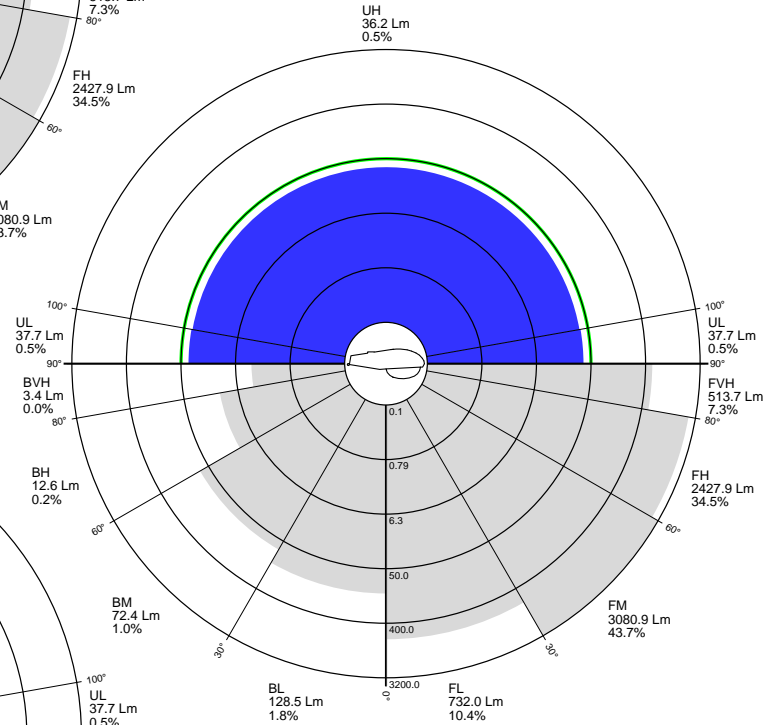
Glare Rating Details

(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.	10.
	155.0	0.	1.	2.	3.	5.	5.	7.	8.	10.
	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.	8.
	105.0	0.	1.	2.	3.	4.	5.	6.	8.	9.
	95.0	67.	62.	54.	36.	18.	9.	7.	7.	8.
	90.0	587.	562.	569.	530.	425.	254.	113.	49.	8.
	87.5	1204.	1170.	1171.	1113.	961.	672.	315.	143.	23.
	85.0	1828.	1793.	1767.	1665.	1482.	1152.	594.	219.	44.
V	82.5	2380.	2365.	2296.	2142.	1912.	1490.	881.	378.	84.
E	80.0	2736.	2709.	2597.	2406.	2166.	1766.	1218.	630.	132.
R	77.5	2980.	2968.	2845.	2694.	2475.	2099.	1537.	860.	227.
T	75.0	3292.	3263.	3155.	3039.	2869.	2395.	1784.	1047.	360.
I	72.5	3707.	3661.	3550.	3435.	3273.	2649.	1917.	1196.	496.
C	70.0	4131.	4074.	3963.	3838.	3630.	2784.	2022.	1305.	644.
A	67.5	4508.	4473.	4367.	4180.	3758.	2895.	2100.	1381.	782.
L	65.0	4740.	4722.	4571.	4300.	3866.	2966.	2153.	1428.	910.
	62.5	4828.	4798.	4684.	4448.	3888.	3001.	2181.	1465.	998.
A	60.0<<	4933.	4902.	4771.	4475.	3870.	3007.	2188.	1521.	1059.
N	57.5	4917.	4903.	4773.	4453.	3816.	2981.	2169.	1591.	1100.
G	55.0	4913.	4893.	4725.	4369.	3720.	2925.	2141.	1652.	1125.
L	52.5	4852.	4830.	4640.	4253.	3631.	2840.	2130.	1701.	1151.
E	50.0	4773.	4740.	4526.	4122.	3523.	2757.	2181.	1741.	1171.
	47.5	4661.	4623.	4395.	3978.	3380.	2665.	2243.	1766.	1191.
	45.0	4501.	4451.	4208.	3800.	3247.	2649.	2289.	1775.	1207.
	42.5	4270.	4233.	3989.	3606.	3117.	2668.	2308.	1771.	1221.
	40.0	4005.	3980.	3761.	3404.	3055.	2675.	2297.	1756.	1236.
	37.5	3710.	3695.	3525.	3266.	2992.	2655.	2253.	1742.	1247.
	35.0	3495.	3478.	3359.	3142.	2917.	2615.	2194.	1720.	1253.
	30.0	3073.	3077.	3030.	2926.	2740.	2416.	2032.	1652.	1238.
	25.0	2779.	2786.	2748.	2619.	2414.	2135.	1853.	1533.	1182.
	20.0	2360.	2370.	2352.	2232.	2071.	1878.	1651.	1393.	1109.
	15.0	1956.	1965.	1966.	1871.	1741.	1593.	1433.	1232.	1013.
	10.0	1535.	1550.	1542.	1484.	1391.	1294.	1196.	1051.	914.
	5.0	1090.	1100.	1109.	1068.	1023.	985.	939.	872.	819.
	0.0	734.	734.	734.	734.	734.	734.	734.	734.	734.
		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.
	175.0	9.	9.	9.	8.	8.	6.	5.	4.	3.	2.
	165.0	10.	10.	10.	9.	8.	7.	6.	5.	5.	5.
	155.0	10.	10.	10.	9.	8.	8.	7.	6.	6.	6.
	145.0	10.	10.	10.	9.	8.	8.	8.	8.	8.	8.
	135.0	9.	10.	9.	9.	8.	8.	8.	8.	8.	8.
	125.0	9.	9.	9.	8.	8.	8.	8.	8.	9.	9.
	115.0	9.	9.	9.	9.	8.	9.	9.	10.	11.	11.
	105.0	9.	9.	9.	9.	9.	9.	10.	11.	11.	11.
	95.0	8.	8.	9.	9.	8.	8.	9.	9.	9.	9.
	90.0	8.	8.	8.	8.	8.	8.	7.	8.	8.	8.
	87.5	8.	8.	8.	8.	8.	7.	7.	6.	6.	6.
	85.0	8.	8.	8.	8.	7.	7.	6.	5.	5.	5.
V	82.5	8.	8.	7.	7.	6.	6.	5.	5.	3.	3.
E	80.0	8.	8.	7.	6.	5.	5.	5.	4.	2.	2.
R	77.5	8.	8.	7.	6.	5.	5.	4.	3.	2.	1.
T	75.0	10.	8.	10.	7.	5.	4.	3.	2.	1.	0.
I	72.5	45.	38.	15.	8.	5.	4.	3.	2.	1.	0.
C	70.0	77.	57.	17.	11.	5.	4.	2.	2.	0.	0.
A	67.5	111.	77.	20.	14.	6.	4.	2.	2.	0.	0.
L	65.0	155.	97.	24.	14.	8.	4.	2.	1.	0.	0.
	62.5	201.	118.	34.	13.	8.	5.	3.	2.	0.	0.
A	60.0<<	238.	132.	50.	13.	9.	5.	3.	2.	0.	0.
N	57.5	270.	141.	67.	15.	9.	6.	4.	3.	2.	0.
G	55.0	298.	150.	81.	18.	9.	8.	5.	4.	2.	1.
L	52.5	324.	162.	93.	21.	10.	8.	7.	6.	5.	4.
E	50.0	352.	173.	106.	31.	11.	9.	10.	10.	11.	9.
	47.5	374.	188.	119.	51.	15.	11.	12.	14.	15.	14.
	45.0	393.	202.	128.	72.	24.	15.	15.	17.	19.	18.
	42.5	408.	216.	136.	91.	34.	20.	18.	19.	21.	21.
	40.0	423.	232.	147.	106.	54.	28.	22.	21.	22.	24.
	37.5	447.	256.	160.	119.	76.	37.	28.	25.	25.	25.
	35.0	481.	289.	175.	132.	96.	54.	38.	31.	28.	27.
	30.0	556.	376.	222.	171.	139.	112.	82.	57.	48.	47.
	25.0	618.	461.	286.	250.	206.	184.	168.	148.	131.	116.
	20.0	669.	541.	370.	319.	292.	261.	252.	241.	238.	230.
	15.0	701.	606.	450.	375.	361.	352.	328.	320.	319.	316.
	10.0	719.	658.	545.	462.	416.	394.	387.	388.	388.	388.
	5.0	729.	699.	645.	597.	557.	524.	497.	477.	471.	459.
	0.0	734.	734.	734.	734.	734.	734.	734.	734.	734.	734.

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	57
10- 15	107
15- 20	164
20- 25	225
25- 30	290
30- 35	355
35- 40	424
40- 45	497
45- 50	568
50- 55	630
55- 60	680
60- 65	702
65- 70	679
70- 75	590
75- 80	470
80- 85	345
85- 90	172
90- 95	32
95-100	6
100-105	4
105-110	4
110-115	4
115-120	3
120-125	3
125-130	3
130-135	3
135-140	2
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	75
0- 20	346
0- 30	861
0- 40	1639
0- 50	2704
0- 60	4014
0- 70	5395
0- 80	6454
0- 90	6972
0-100	7009
0-110	7017
0-120	7024
0-130	7031
0-140	7036
0-150	7040
0-160	7043
0-170	7045
0-180	7045