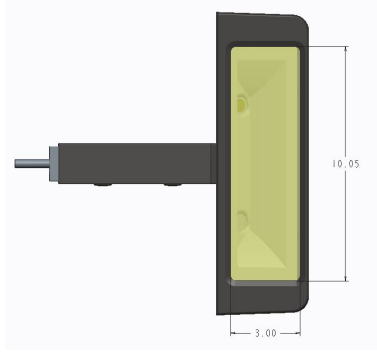


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 20 foot mounting height.



REPORT NUMBER: PRORATED FROM RAB02588
 ISSUE DATE: 10/28/16 PAGE: 1 OF 9
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: ALEDFC52/480,
 WPLEDFC52/480 (0-DEGREE UPTILT - FULL 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
 40-DEGREES FROM VERTICAL BASE-UP
 POSITION.

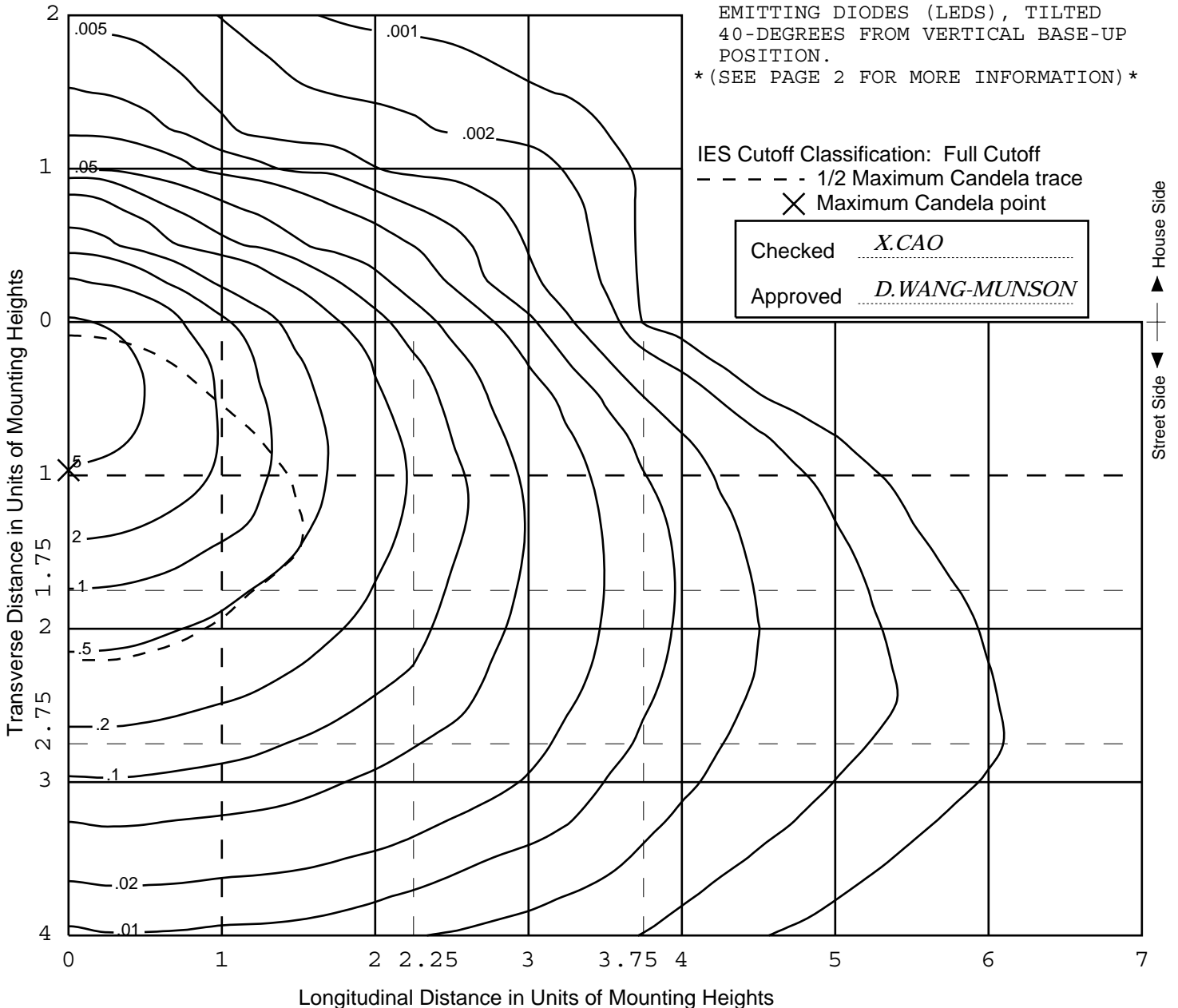
(SEE PAGE 2 FOR MORE INFORMATION)

IES Cutoff Classification: Full Cutoff

--- 1/2 Maximum Candela trace

X Maximum Candela point

Checked	<u>X.CAO</u>
Approved	<u>D.WANG-MUNSON</u>



REPORT NUMBER: PRORATED FROM RAB02588
ISSUE DATE: 10/28/16
PREPARED FOR: RAB LIGHTING INC.

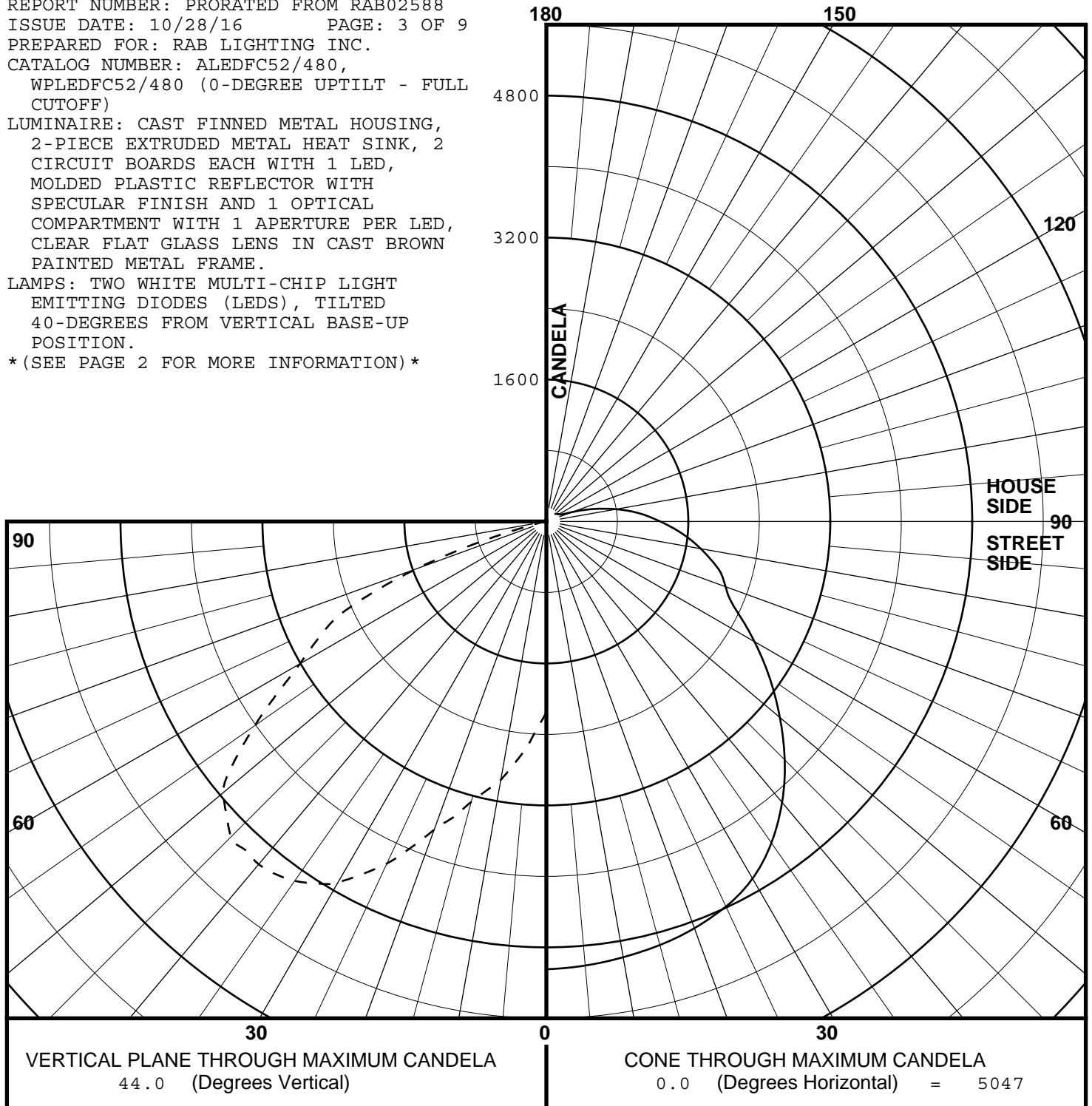
PAGE: 2 OF 9

ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB02588 WHICH WAS ALEDFC80Y,
WPLED80Y. ACTUAL PERFORMANCE MAY VARY.
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

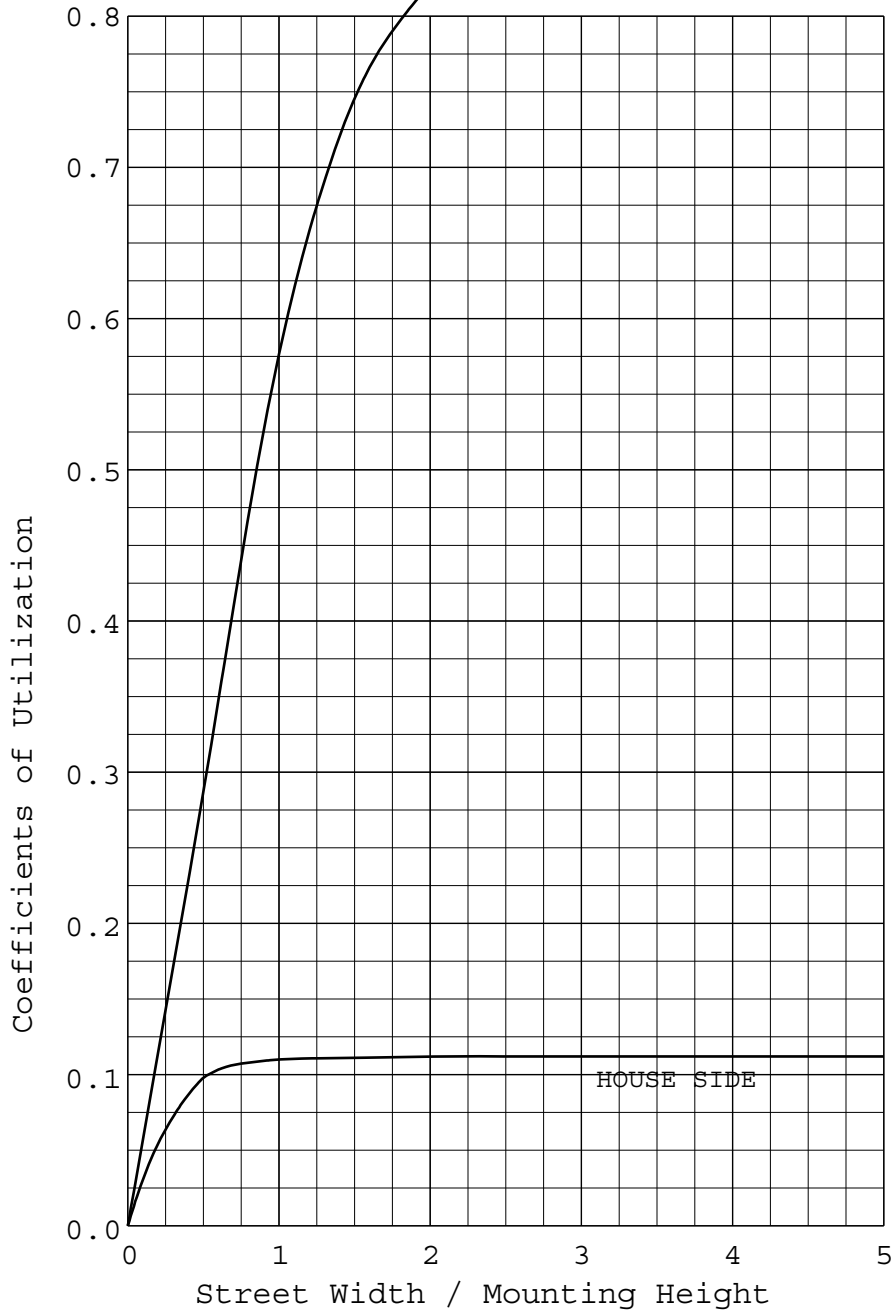
REPORT NUMBER: PRORATED FROM RAB02588
 ISSUE DATE: 10/28/16 PAGE: 3 OF 9
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: ALEDFC52/480,
 WPLEDFC52/480 (0-DEGREE UPTILT - FULL
 CUTOFF)
 LUMINAIRE: CAST FINNED METAL HOUSING,
 2-PIECE EXTRUDED METAL HEAT SINK, 2
 CIRCUIT BOARDS EACH WITH 1 LED,
 MOLDED 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
 40-DEGREES FROM VERTICAL BASE-UP
 POSITION.
 (SEE PAGE 2 FOR MORE INFORMATION)



REPORT NUMBER: PRORATED FROM RAB02588
ISSUE DATE: 10/28/16
PREPARED FOR: RAB LIGHTING INC STREET SIDE

PAGE: 4 OF 9

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	6416.	88.7
DOWNWARD HOUSE SIDE	815.	11.3
DOWNWARD TOTAL	7231.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	7231.	100.0

TOTAL INPUT WATTS = 58.4
EFFICACY = 123.8 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 RAB02588
 ISSUE DATE: 10/28/16
 PREPARED FOR: RAB LIGHTING INC.

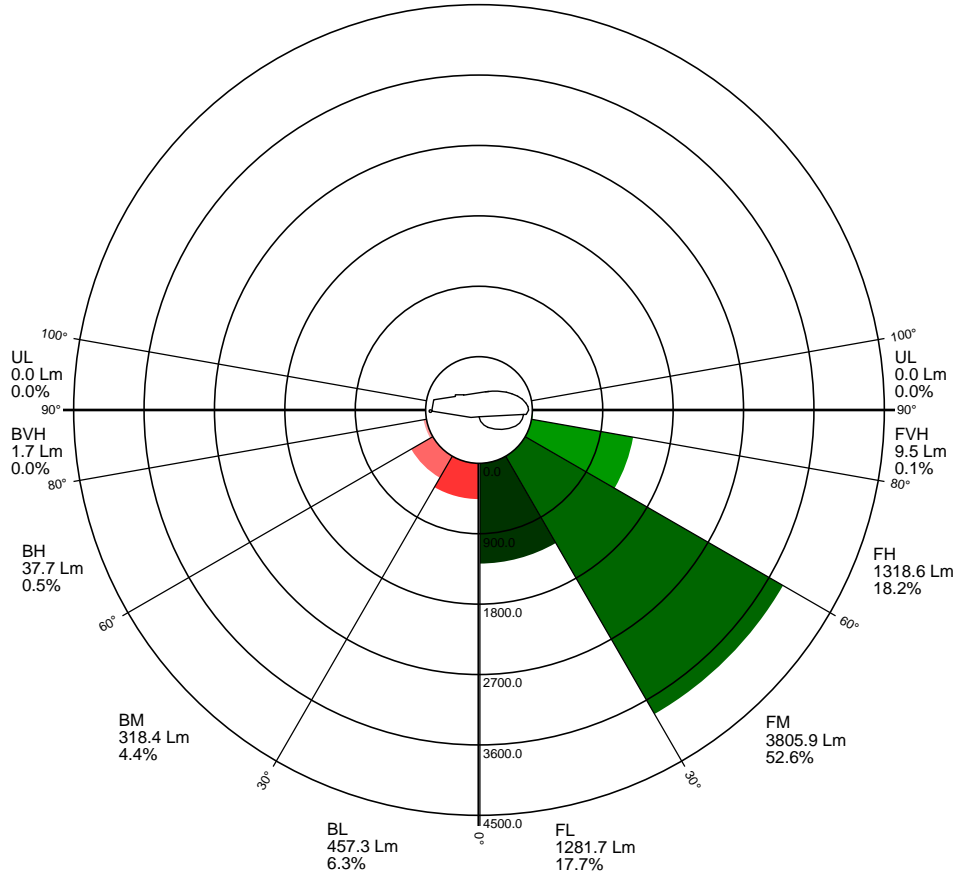
PAGE: 5 OF 9

BUG Rating:				B1 U0 G1		
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		6416	88.7			
FL	(0° - 30°)	1281.7	17.7			
FM	(30° - 60°)	3805.9	52.6			
FH	(60° - 80°)	1318.6	18.2			G1
FVH	(80° - 90°)	9.5	0.1			G0
Backward		815	11.3			
BL	(0° - 30°)	457.3	6.3	B1		
BM	(30° - 60°)	318.4	4.4	B1		
BH	(60° - 80°)	37.7	0.5	B0		G0
BVH	(80° - 90°)	1.7	0.0			G0
Upward		0	0.0			
UL	(90° - 100°)	0.0	0.0		U0	
UH	(100° - 180°)	0.0	0.0		U0	
Trapped Light		0	0.0			
Total Flux		7231	100.0			

Zonal Lumen Summary

(Linear scale)

UH
0.0 Lm
0.0%

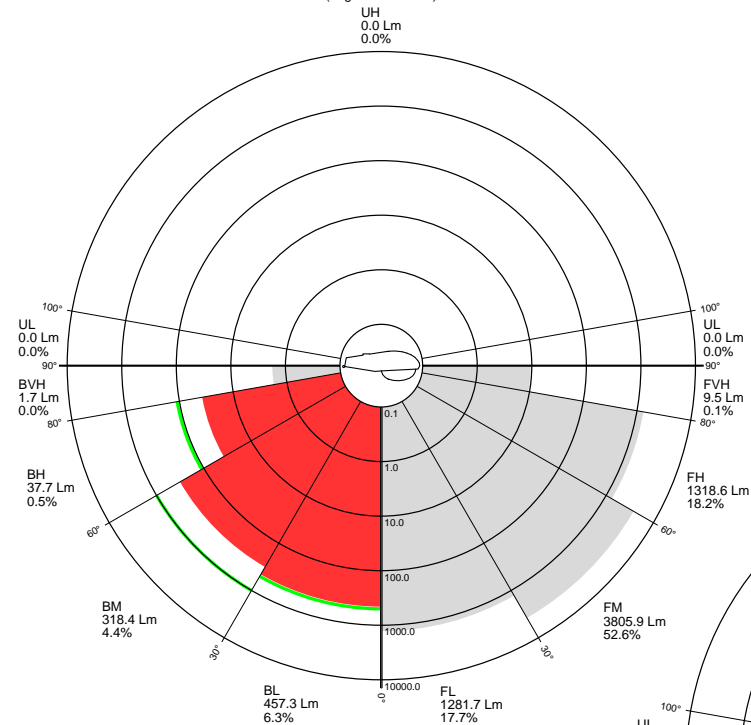


REPORT NUMBER: PRORATED FROM RAB02588
ISSUE DATE: 10/28/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 6 OF 9

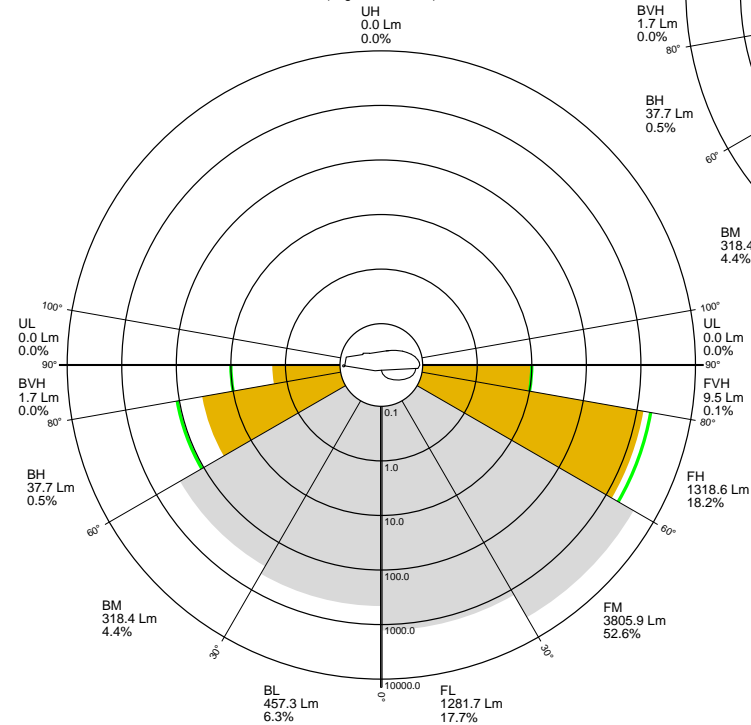
Backlight Rating Details

(Logarithmic scale)



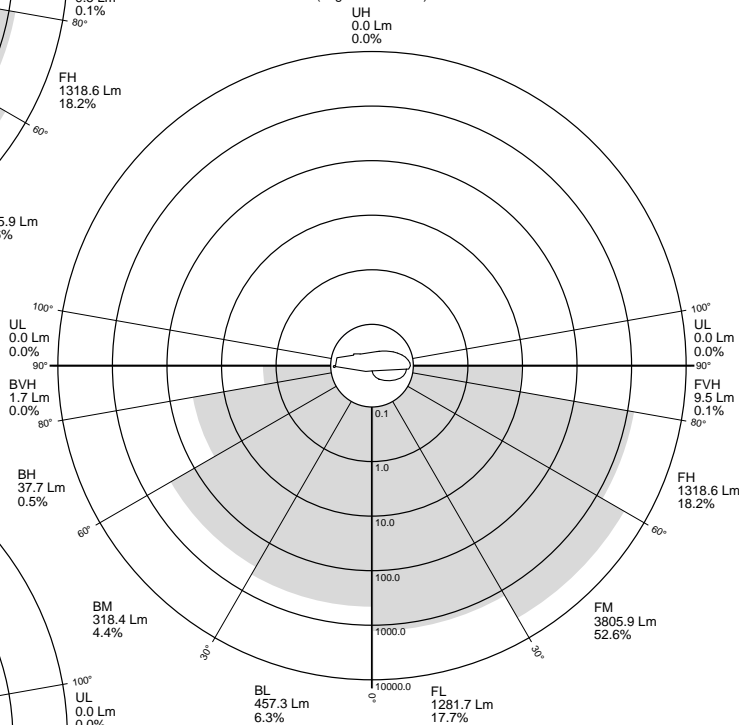
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



REPORT NUMBER: PRORATED FROM RAB02588
 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	0.	0.	0.	0.	0.	0.	0.	0.	0.
	175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	155.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	145.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	135.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	0.	0.	0.	0.	0.	0.	0.	0.	0.
	85.0	1.	1.	2.	3.	4.	5.	7.	9.	8.
	82.5	12.	12.	12.	15.	16.	15.	24.	79.	41.
V	80.0	28.	32.	35.	53.	55.	93.	163.	199.	88.
E	77.5	97.	102.	105.	178.	290.	465.	426.	317.	175.
R	75.0	336.	382.	447.	636.	814.	983.	796.	547.	291.
T	72.5	888.	957.	1038.	1250.	1374.	1478.	1137.	884.	480.
I	70.0	1558.	1606.	1672.	1816.	1881.	1791.	1491.	1225.	697.
C	67.5	2168.	2206.	2248.	2301.	2197.	2116.	1814.	1469.	894.
A	65.0	2659.	2676.	2651.	2562.	2492.	2490.	2123.	1666.	1059.
L	62.5	2928.	2944.	2893.	2855.	2841.	2867.	2343.	1824.	1202.
	60.0	3207.	3232.	3196.	3218.	3260.	3241.	2519.	1946.	1319.
A	57.5	3587.	3602.	3581.	3621.	3686.	3449.	2665.	2045.	1423.
N	55.0	4013.	4018.	3981.	4036.	4048.	3593.	2786.	2130.	1531.
G	52.5	4432.	4438.	4396.	4417.	4191.	3690.	2888.	2204.	1642.
L	50.0	4757.	4761.	4696.	4580.	4345.	3759.	2972.	2266.	1746.
E	47.5	4894.	4879.	4796.	4750.	4403.	3805.	3038.	2318.	1848.
	45.0	5031.	5016.	4942.	4786.	4422.	3807.	3071.	2349.	1952.
	44.0<<	5047.	5025.	4943.	4789.	4423.	3799.	3072.	2360.	1994.
	42.5	5023.	5014.	4952.	4783.	4407.	3789.	3067.	2390.	2060.
	40.0	5045.	5047.	4928.	4725.	4349.	3764.	3057.	2464.	2162.
	37.5	5012.	5010.	4875.	4626.	4289.	3713.	3027.	2536.	2256.
	35.0	4946.	4934.	4799.	4521.	4194.	3640.	2994.	2607.	2330.
	30.0	4701.	4686.	4516.	4249.	3938.	3451.	3038.	2724.	2411.
	25.0	4256.	4230.	4085.	3843.	3594.	3288.	3020.	2764.	2453.
	20.0	3697.	3686.	3607.	3494.	3338.	3119.	2940.	2726.	2455.
	15.0	3272.	3247.	3203.	3155.	3093.	2963.	2813.	2619.	2404.
	10.0	2955.	2963.	2964.	2906.	2845.	2713.	2607.	2468.	2325.
	5.0	2557.	2544.	2564.	2516.	2490.	2409.	2366.	2303.	2241.
	0.0	2153.	2153.	2153.	2153.	2153.	2153.	2153.	2153.	2153.
		PLANE OF MAXIMUM CANDELA								
		CONE OF MAXIMUM CANDELA								

REPORT NUMBER: PRORATED FROM RAB02588
 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	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.
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	85.0	8.	8.	7.	7.	6.	5.	4.	3.	2.	2.	2.
	82.5	9.	8.	8.	7.	6.	5.	4.	3.	2.	2.	2.
V	80.0	9.	9.	9.	9.	7.	5.	4.	3.	2.	2.	2.
E	77.5	9.	9.	13.	18.	8.	5.	5.	3.	2.	2.	2.
R	75.0	22.	20.	25.	20.	12.	6.	5.	4.	3.	2.	2.
T	72.5	99.	56.	48.	19.	14.	7.	5.	5.	5.	5.	5.
I	70.0	212.	104.	68.	20.	15.	9.	6.	6.	8.	7.	7.
C	67.5	335.	174.	88.	24.	14.	10.	9.	9.	11.	10.	10.
A	65.0	458.	274.	112.	38.	15.	11.	11.	13.	16.	16.	16.
L	62.5	584.	371.	130.	66.	18.	12.	13.	15.	18.	19.	19.
	60.0	692.	473.	142.	86.	24.	13.	13.	17.	21.	22.	23.
A	57.5	802.	573.	165.	104.	42.	18.	16.	19.	22.	24.	24.
N	55.0	902.	671.	209.	121.	70.	27.	20.	21.	23.	24.	24.
G	52.5	995.	767.	273.	137.	94.	44.	29.	24.	24.	25.	25.
L	50.0	1085.	854.	349.	155.	112.	71.	39.	33.	30.	28.	28.
E	47.5	1172.	933.	425.	165.	128.	97.	60.	42.	42.	41.	41.
	45.0	1254.	1019.	506.	179.	143.	115.	90.	68.	57.	50.	50.
	44.0<<	1286.	1053.	541.	191.	150.	124.	102.	83.	71.	60.	60.
	42.5	1336.	1107.	598.	218.	167.	135.	120.	111.	100.	86.	87.
	40.0	1429.	1200.	707.	296.	192.	162.	155.	156.	155.	145.	146.
	37.5	1524.	1305.	837.	403.	221.	201.	194.	199.	206.	203.	201.
	35.0	1621.	1411.	968.	533.	275.	251.	232.	240.	252.	254.	253.
	30.0	1789.	1607.	1214.	804.	492.	340.	327.	336.	332.	333.	332.
	25.0	1917.	1762.	1432.	1092.	782.	564.	428.	390.	393.	399.	401.
	20.0	2007.	1883.	1619.	1350.	1092.	878.	720.	611.	555.	524.	524.
	15.0	2070.	1975.	1776.	1586.	1393.	1231.	1089.	980.	911.	880.	884.
	10.0	2108.	2046.	1923.	1797.	1681.	1571.	1476.	1411.	1362.	1328.	1340.
	5.0	2131.	2104.	2050.	1997.	1950.	1890.	1840.	1811.	1796.	1759.	1784.
	0.0	2153.	2153.	2153.	2153.	2153.	2153.	2153.	2153.	2153.	2153.	2153.

CONE OF MAXIMUM CANDELA

REPORT NUMBER: PRORATED FROM RAB02588
 ISSUE DATE: 10/28/16
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 9 OF 9

5-DEGREE ZONAL LUMEN SUMMARY

0- 5	52
5- 10	154
10- 15	251
15- 20	340
20- 25	427
25- 30	516
30- 35	599
35- 40	664
40- 45	714
45- 50	744
50- 55	734
55- 60	670
60- 65	574
65- 70	449
70- 75	259
75- 80	75
80- 85	11
85- 90	1
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	205
0- 20	796
0- 30	1739
0- 40	3002
0- 50	4459
0- 60	5863
0- 70	6886
0- 80	7220
0- 90	7231
0-100	7231
0-110	7231
0-120	7231
0-130	7231
0-140	7231
0-150	7231
0-160	7231
0-170	7231
0-180	7231