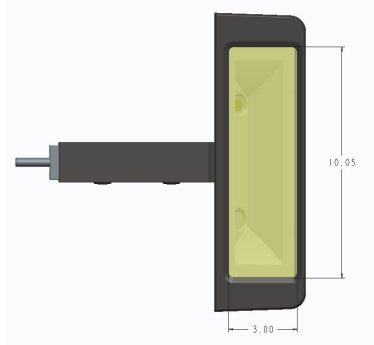


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

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: ALEDFC52N/480,
 WPLEDFC52N/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)

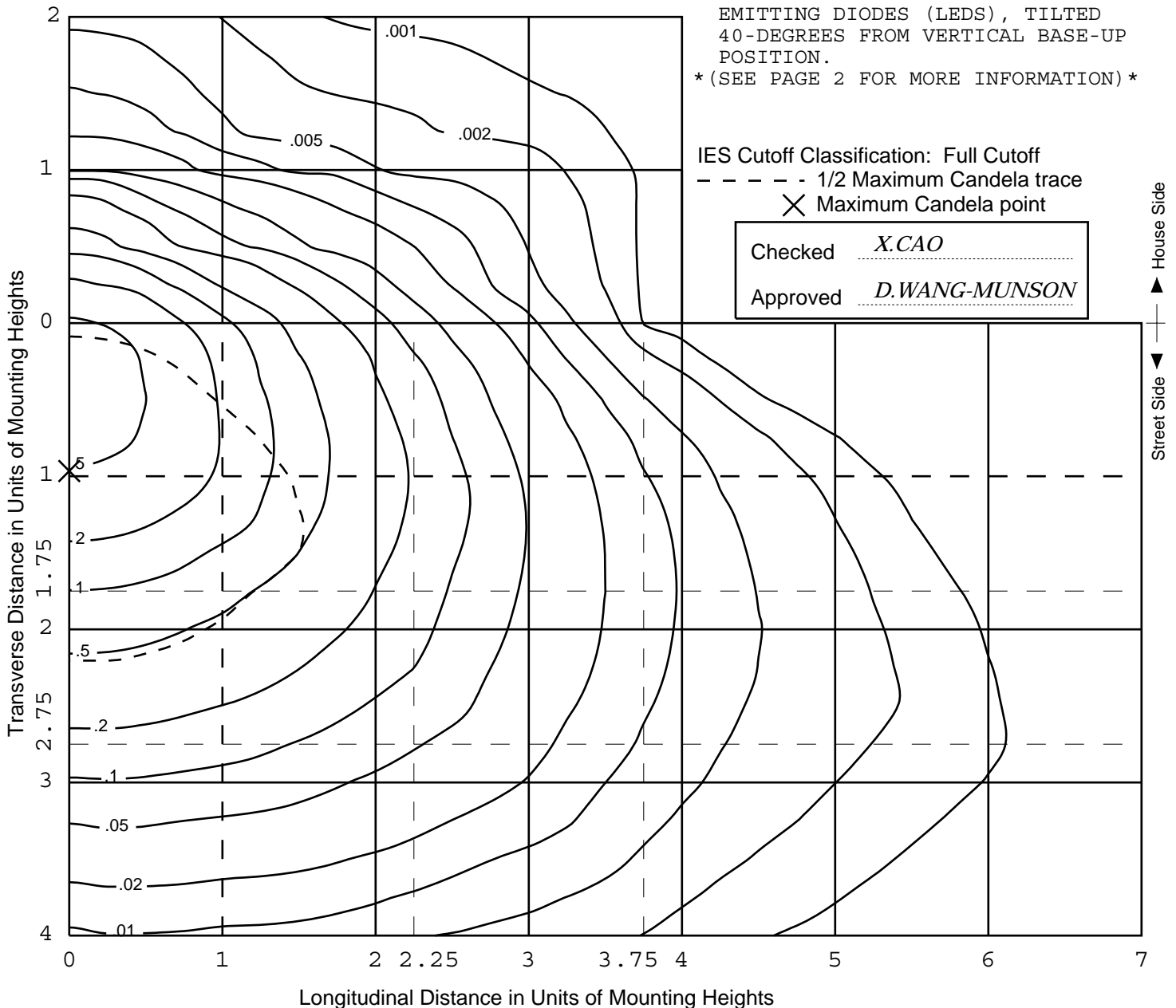
IES Cutoff Classification: Full Cutoff

--- 1/2 Maximum Candela trace

X Maximum Candela point

Checked X.CAO

Approved D.WANG-MUNSON



REPORT NUMBER: PRORATED FROM RAB02588
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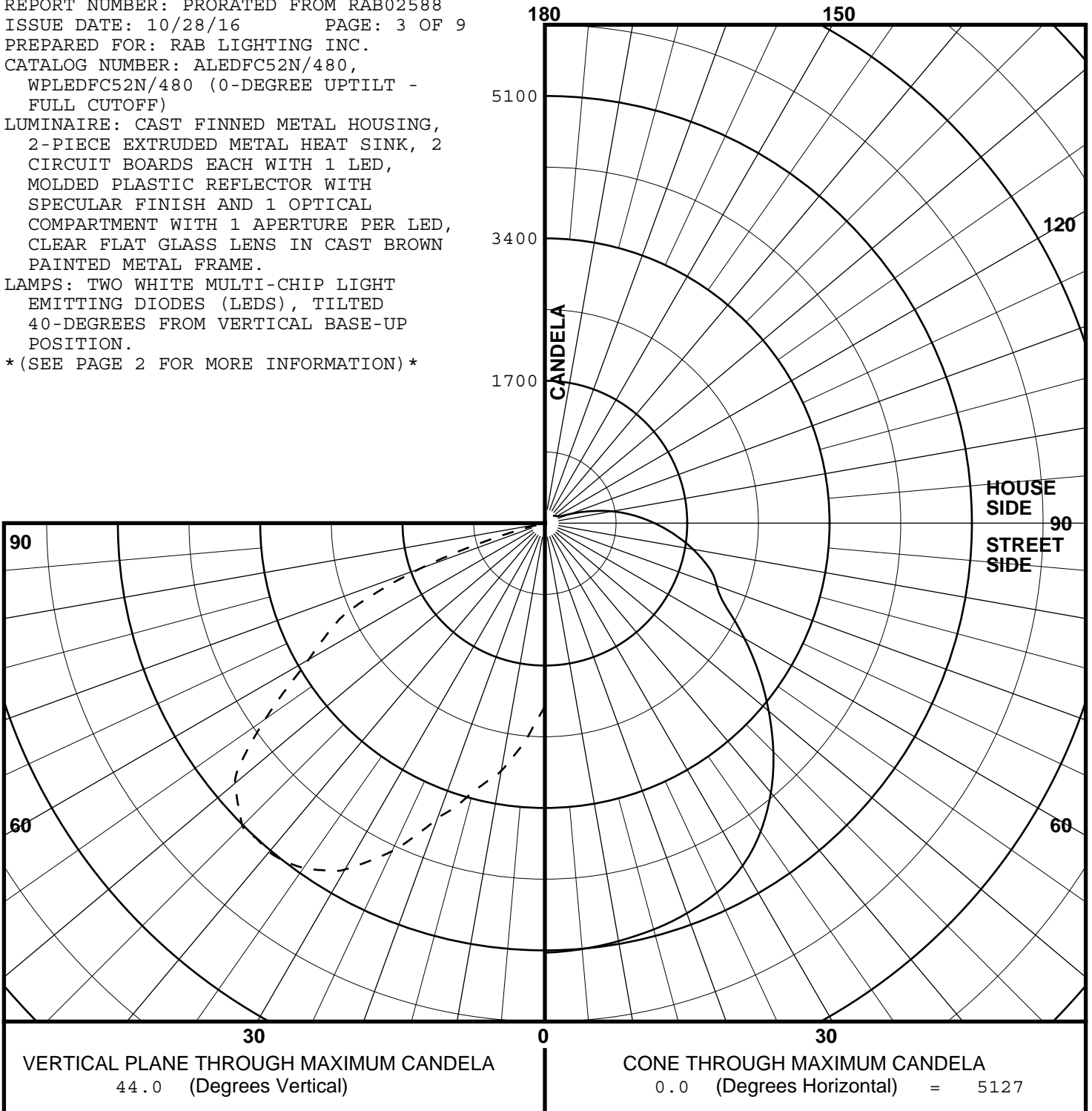
PAGE: 2 OF 9

ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB02588 WHICH WAS ALEDFC80Y,
WPLEDFC80Y. ACTUAL PERFORMANCE MAY VARY.
TOTAL INPUT WATTS = 57.9 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

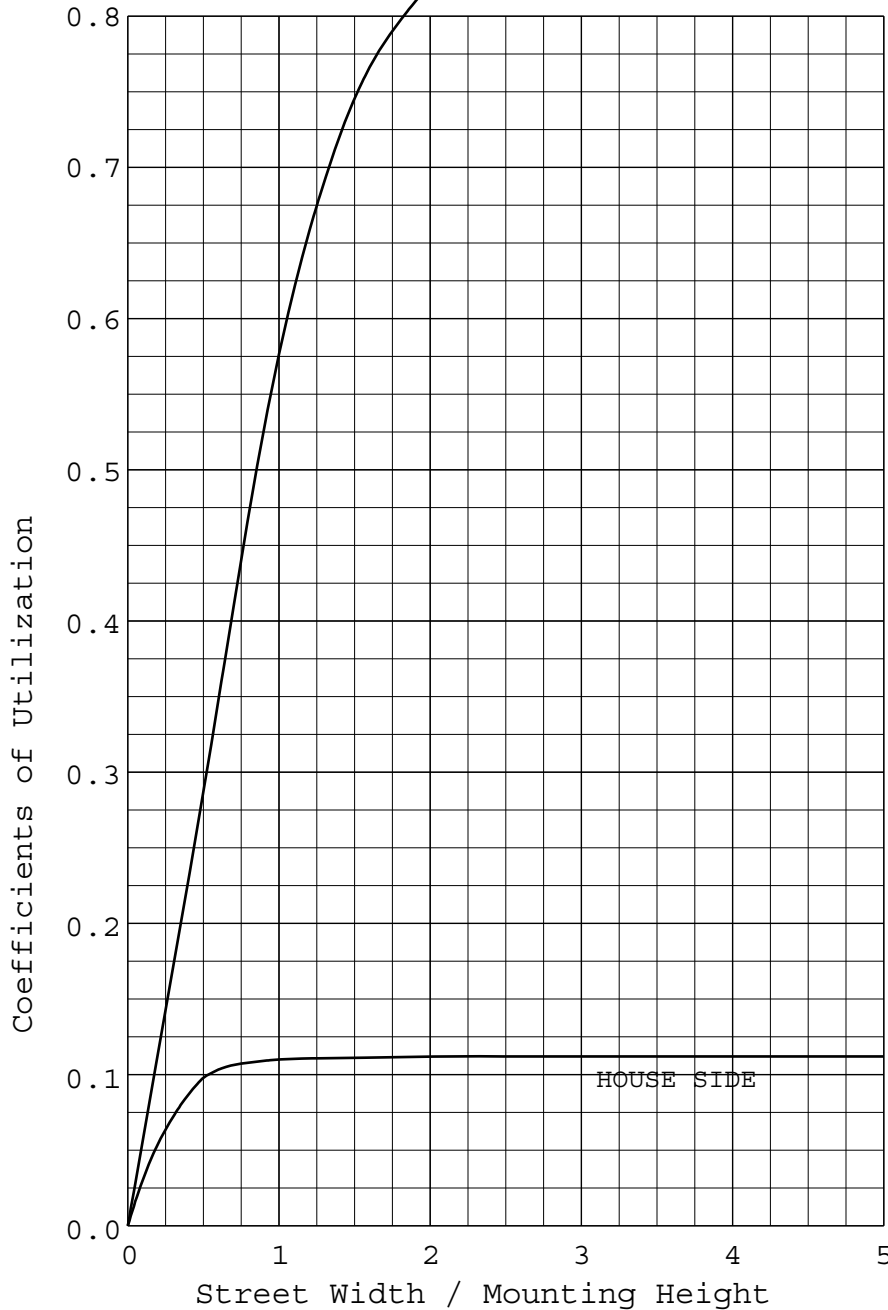
REPORT NUMBER: PRORATED FROM RAB02588
ISSUE DATE: 10/28/16 PAGE: 3 OF 9
PREPARED FOR: RAB LIGHTING INC.
CATALOG NUMBER: ALEDFC52N/480,
WPLEDFC52N/480 (0-DEGREE UPTILT -
FULL CUTOFF)
LUMINAIRE: CAST FINNED METAL HOUSING,
2-PIECE EXTRUDED METAL HEAT SINK, 2
CIRCUIT BOARDS EACH WITH 1 LED,
MOLDED PLASTIC 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

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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	6518.	88.7
DOWNWARD HOUSE SIDE	828.	11.3
DOWNWARD TOTAL	7346.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	7346.	100.0

TOTAL INPUT WATTS = 57.9
 EFFICACY = 126.9 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 RAB02588
 ISSUE DATE: 10/28/16
 PREPARED FOR: RAB LIGHTING INC.

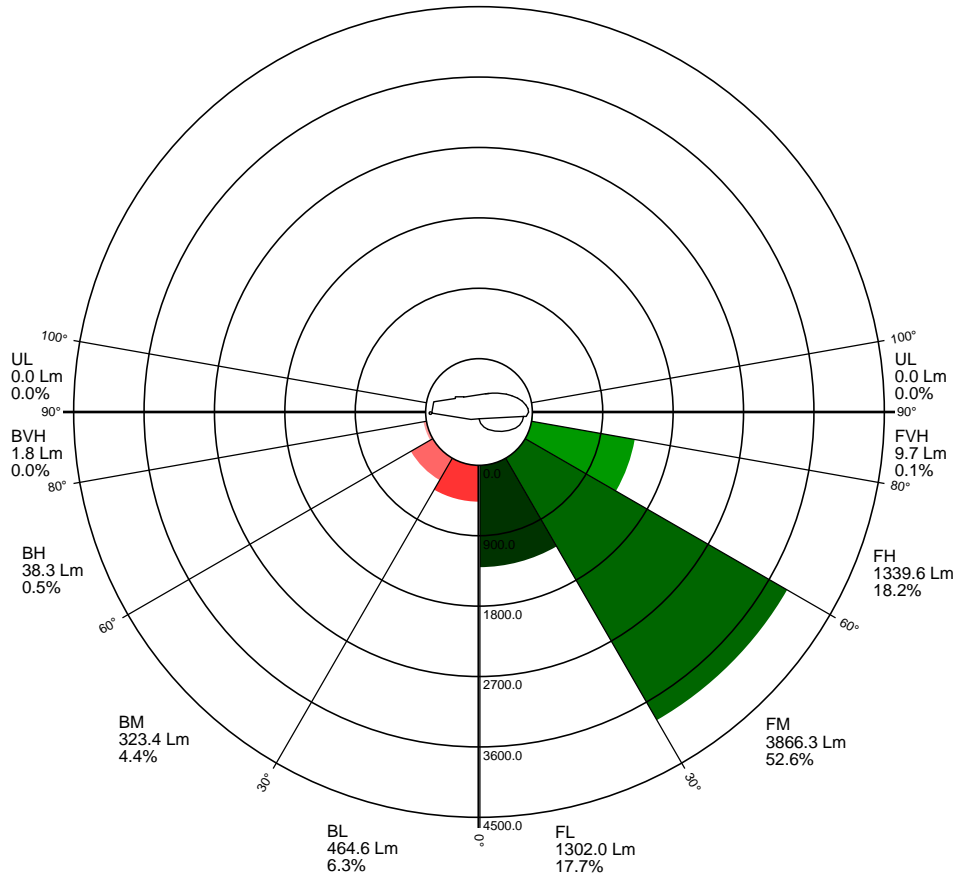
PAGE: 5 OF 9

BUG Rating:				B1	U0	G1
Zonal Summary				Zone Ratings		
		Lumens	% of Fixture	B	U	G
Forward		6518	88.7			
FL	(0° - 30°)	1302.0	17.7			
FM	(30° - 60°)	3866.3	52.6			
FH	(60° - 80°)	1339.6	18.2			G1
FVH	(80° - 90°)	9.7	0.1			G0
Backward		828	11.3			
BL	(0° - 30°)	464.6	6.3	B1		
BM	(30° - 60°)	323.4	4.4	B1		
BH	(60° - 80°)	38.3	0.5	B0		G0
BVH	(80° - 90°)	1.8	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		7346	100.0			

Zonal Lumen Summary

(Linear scale)

UH
0.0 Lm
0.0%

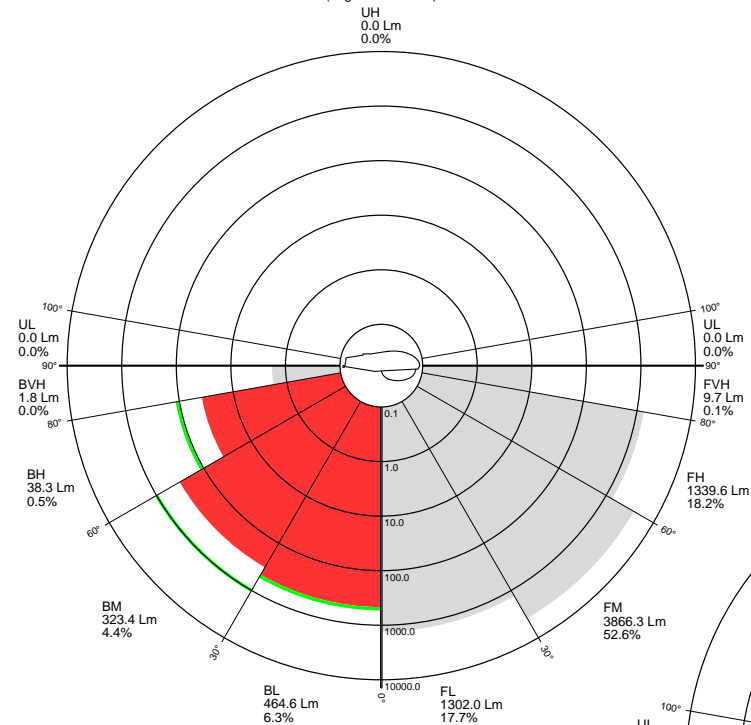


REPORT NUMBER: PRORATED FROM RAB02588
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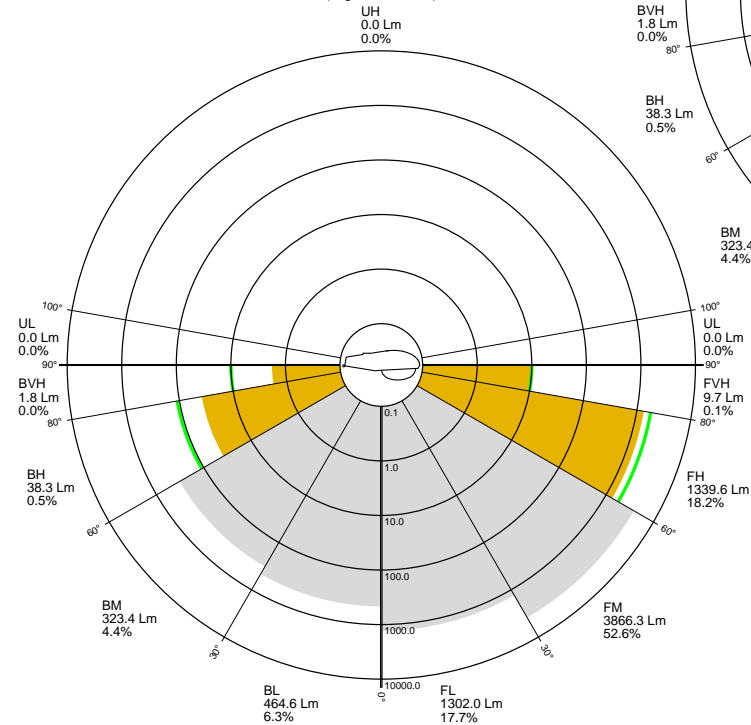
Backlight Rating Details

(Logarithmic scale)



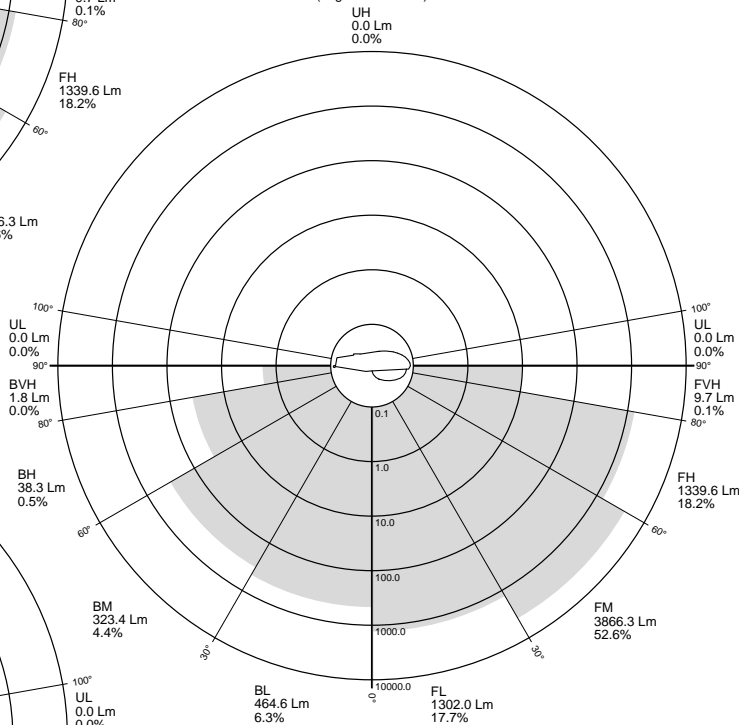
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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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.	6.	7.	10.	8.
	82.5	12.	12.	12.	15.	16.	15.	24.	81.	41.
V	80.0	29.	33.	35.	54.	56.	94.	166.	203.	89.
E	77.5	99.	104.	107.	181.	294.	472.	432.	322.	178.
R	75.0	341.	389.	454.	646.	827.	999.	808.	556.	295.
T	72.5	902.	973.	1055.	1270.	1396.	1501.	1155.	898.	487.
I	70.0	1583.	1632.	1699.	1845.	1911.	1819.	1514.	1245.	708.
C	67.5	2202.	2241.	2283.	2338.	2232.	2150.	1843.	1493.	909.
A	65.0	2701.	2719.	2693.	2602.	2531.	2529.	2156.	1693.	1076.
L	62.5	2974.	2991.	2939.	2900.	2886.	2913.	2381.	1852.	1221.
	60.0	3258.	3283.	3246.	3269.	3312.	3293.	2559.	1977.	1340.
A	57.5	3644.	3660.	3638.	3679.	3745.	3504.	2708.	2077.	1446.
N	55.0	4077.	4082.	4044.	4100.	4113.	3650.	2830.	2164.	1555.
G	52.5	4502.	4508.	4465.	4488.	4258.	3749.	2934.	2239.	1668.
L	50.0	4832.	4836.	4770.	4653.	4414.	3818.	3020.	2302.	1774.
E	47.5	4972.	4957.	4872.	4825.	4473.	3865.	3086.	2354.	1877.
	45.0	5111.	5096.	5021.	4862.	4492.	3868.	3120.	2386.	1983.
	44.0<<	5127.	5104.	5021.	4865.	4493.	3860.	3121.	2397.	2026.
	42.5	5103.	5093.	5030.	4859.	4477.	3849.	3115.	2428.	2093.
	40.0	5125.	5127.	5006.	4800.	4418.	3824.	3105.	2503.	2196.
	37.5	5092.	5090.	4953.	4699.	4357.	3772.	3076.	2576.	2292.
	35.0	5025.	5013.	4875.	4593.	4261.	3698.	3041.	2649.	2367.
	30.0	4776.	4760.	4588.	4316.	4001.	3506.	3086.	2768.	2449.
	25.0	4323.	4297.	4150.	3904.	3652.	3340.	3068.	2807.	2492.
	20.0	3755.	3745.	3664.	3549.	3391.	3168.	2987.	2769.	2494.
	15.0	3324.	3299.	3254.	3205.	3143.	3010.	2858.	2661.	2442.
	10.0	3002.	3010.	3011.	2952.	2890.	2756.	2649.	2507.	2362.
	5.0	2598.	2584.	2605.	2556.	2530.	2448.	2404.	2340.	2277.
	0.0	2187.	2187.	2187.	2187.	2187.	2187.	2187.	2187.	2187.
		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.
	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.	6.	4.	3.	2.	2.	2.
	82.5	9.	8.	8.	7.	6.	6.	4.	3.	2.	2.	2.
V	80.0	9.	9.	9.	9.	7.	6.	4.	3.	2.	2.	2.
E	77.5	10.	9.	13.	18.	8.	6.	5.	3.	2.	2.	2.
R	75.0	22.	20.	26.	20.	12.	6.	5.	4.	3.	2.	2.
T	72.5	101.	57.	49.	19.	14.	7.	6.	5.	6.	5.	5.
I	70.0	215.	105.	69.	21.	15.	10.	6.	6.	8.	7.	7.
C	67.5	340.	177.	89.	24.	14.	10.	9.	10.	11.	10.	10.
A	65.0	465.	278.	113.	39.	15.	11.	11.	13.	16.	16.	16.
L	62.5	593.	377.	132.	67.	18.	12.	13.	15.	18.	19.	19.
	60.0	703.	480.	144.	88.	25.	13.	14.	18.	22.	22.	23.
A	57.5	815.	582.	168.	106.	43.	18.	16.	19.	22.	24.	25.
N	55.0	917.	682.	212.	123.	71.	27.	21.	22.	23.	25.	25.
G	52.5	1011.	779.	277.	139.	96.	45.	30.	25.	25.	26.	26.
L	50.0	1103.	868.	355.	157.	114.	72.	40.	34.	30.	29.	29.
E	47.5	1190.	948.	432.	168.	130.	98.	61.	43.	42.	41.	41.
	45.0	1274.	1035.	514.	182.	145.	117.	92.	69.	57.	51.	51.
	44.0<<	1306.	1070.	550.	194.	152.	126.	104.	85.	73.	61.	61.
	42.5	1357.	1125.	608.	221.	170.	137.	122.	112.	101.	88.	89.
	40.0	1451.	1219.	718.	301.	195.	164.	158.	159.	157.	147.	148.
	37.5	1548.	1326.	850.	409.	225.	204.	197.	202.	209.	207.	204.
	35.0	1647.	1434.	983.	542.	279.	254.	236.	244.	256.	258.	257.
	30.0	1817.	1632.	1233.	817.	499.	345.	333.	341.	337.	338.	337.
	25.0	1947.	1790.	1455.	1109.	795.	573.	435.	396.	400.	405.	408.
	20.0	2039.	1913.	1645.	1371.	1110.	892.	732.	621.	564.	532.	532.
	15.0	2103.	2006.	1805.	1612.	1415.	1250.	1107.	996.	925.	894.	898.
	10.0	2141.	2078.	1954.	1825.	1707.	1596.	1499.	1434.	1383.	1349.	1361.
	5.0	2165.	2137.	2082.	2029.	1981.	1920.	1869.	1840.	1825.	1787.	1813.
	0.0	2187.	2187.	2187.	2187.	2187.	2187.	2187.	2187.	2187.	2187.	2187.

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	52
5- 10	156
10- 15	255
15- 20	345
20- 25	433
25- 30	525
30- 35	608
35- 40	675
40- 45	725
45- 50	756
50- 55	746
55- 60	680
60- 65	583
65- 70	456
70- 75	263
75- 80	76
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	209
0- 20	809
0- 30	1767
0- 40	3049
0- 50	4530
0- 60	5956
0- 70	6995
0- 80	7334
0- 90	7346
0-100	7346
0-110	7346
0-120	7346
0-130	7346
0-140	7346
0-150	7346
0-160	7346
0-170	7346
0-180	7346