

REPORT NUMBER: PRORATED FROM RAB02008

PAGE: 1 OF 7

ISSUE DATE: 06/07/16

DATE SAMPLE TESTED: 05/25/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FFLED39 - FFLED39SF - FFLED39T (NEMA 7X6)

LUMINAIRE: CAST METAL LED DRIVER HOUSING, CAST FINNED METAL HEAT SINK/HOUSING, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH AND ONE APERTURE PER LED, 2 CIRCUIT BOARDS EACH WITH 1 LED, CLEAR FLAT GLASS LENS IN CAST BROWN PAINTED METAL LENS FRAME WITH VISOR.

LAMPS: TWO WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDS), AIMED AT THE HORIZON.

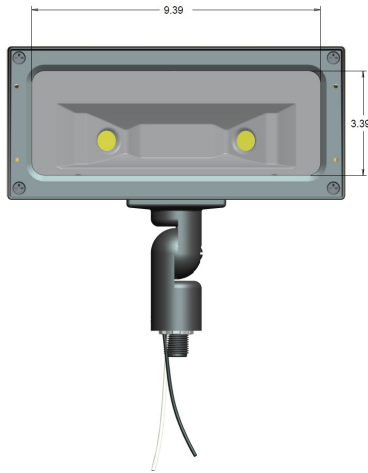
NOTE: THIS REPORT WAS PRORATED FROM RAB02008 WHICH WAS FFLED39Y. ACTUAL PERFORMANCE MAY VARY.

TOTAL INPUT WATTS = 41.813 W AT 277.0 VAC.

(SEE PAGE 2 FOR MORE INFORMATION)

FLOODLIGHT CHARACTERISTICS

IES TYPE	7H X 6V	AXIAL CANDLEPOWER			
MAXIMUM CANDLEPOWER	3175. AT 1.0 H, 19.5 V				
HORIZONTAL BEAM ANGLE (50%)	131.8 deg				
VERTICAL BEAM ANGLE (50%)	69.0 deg				
HORIZONTAL FIELD ANGLE (10%)	157.7 deg	DEG	HORIZ.	DEG	VERT.
VERTICAL FIELD ANGLE (10%)	110.2 deg				
BEAM LUMENS (% FIXTURE)	3737. (66.0 %)	90.0	0.	90.0	0.
FIELD LUMENS (% FIXTURE)	5557. (98.1 %)	85.0	7.	85.0	0.
TOTAL LUMENS (% FIXTURE)	5666. (100.0 %)	75.0	454.	75.0	1.
TOTAL INPUT WATTS = 41.813		65.0	835.	65.0	16.
EFFICACY = 135.5 Lm/W		55.0	1277.	55.0	589.
		47.5	1589.	47.5	1208.
		42.5	1859.	42.5	1348.
		37.5	2020.	37.5	1494.
		33.0	2155.	33.0	1724.
		29.0	2131.	29.0	2238.
		25.5	2280.	25.5	2730.
		22.5	2315.	22.5	3063.
		19.5	2385.	19.5	3173.
		17.0	2352.	17.0	3103.
		15.0	2367.	15.0	3014.
		13.0	2374.	13.0	2906.
		11.0	2320.	11.0	2753.
		9.0	2313.	9.0	2632.
		7.0	2304.	7.0	2556.
		5.0	2291.	5.0	2477.
		3.0	2286.	3.0	2383.
		1.0	2293.	1.0	2317.
		0.0	2290.	0.0	2290.
		-1.0	2293.	-1.0	2284.
		-3.0	2286.	-3.0	2270.
		-5.0	2291.	-5.0	2240.
		-7.0	2304.	-7.0	2206.
		-9.0	2313.	-9.0	2172.
		-11.0	2320.	-11.0	2132.
		-13.0	2374.	-13.0	2092.
		-15.0	2367.	-15.0	2048.
		-17.0	2352.	-17.0	2002.
		-19.5	2385.	-19.5	1949.
		-22.5	2315.	-22.5	1881.
		-25.5	2280.	-25.5	1811.
		-29.0	2131.	-29.0	1721.
		-33.0	2155.	-33.0	1600.
		-37.5	2020.	-37.5	1375.
		-42.5	1859.	-42.5	961.
		-47.5	1589.	-47.5	421.
		-55.0	1277.	-55.0	81.
		-65.0	835.	-65.0	106.
		-75.0	454.	-75.0	10.
		-85.0	7.	-85.0	0.
		-90.0	0.	-90.0	0.



Checked X.CAO
Approved D.WANG-MUNSON

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ADDITIONAL INFORMATION

LED DRIVER: RD-042-A1050N
TEST PROCEDURE: IESNA LM-79-08
TEST DISTANCE : 28.25 FEET

NOTE: THIS REPORT WITH THE USE OF THE NVLAP LOGO SHALL NOT BE USED BY
THE CLIENT TO CLAIM PRODUCT CERTIFICATION, APPROVAL, OR
ENDORSEMENT BY NVLAP, NIST, OR ANY AGENCY OF THE FEDERAL
GOVERNMENT.



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CANDELA TABULATION
AVERAGE OF RIGHT AND LEFT SIDES

Table with 21 columns and 21 rows of numerical data representing candela values at various angles.

BEAM EDGE = 1587. CP = 50% OF MAX
FIELD EDGE = 317. CP = 10% OF MAX



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CANDELA TABULATION - FIELD ONLY
AVERAGE OF RIGHT AND LEFT SIDES

Table with 20 columns (0.0 to 90.0) and 20 rows (-90.0 to 90.0) containing candela values. The values represent the average of right and left sides for each angle.

BEAM EDGE = 1587. CP = 50% OF MAX
FIELD EDGE = 317. CP = 10% OF MAX



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LUMEN TABULATION
 AVERAGE OF RIGHT AND LEFT SIDES

	0	2	4	6	8	10	12	14	16	18	21	24	27	31	35	40	45	50	60	70	80	90	TOTAL
90	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.
80	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.
70	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.
60	4.	4.	4.	4.	3.	3.	3.	3.	3.	4.	4.	4.	5.	4.	5.	4.	4.	6.	3.	0.	0.	0.	73.
50	4.	4.	4.	4.	4.	3.	3.	3.	3.	5.	4.	4.	5.	5.	5.	5.	4.	6.	3.	0.	0.	0.	77.
45	4.	4.	4.	4.	4.	4.	4.	4.	4.	5.	5.	5.	6.	5.	6.	5.	4.	6.	3.	1.	0.	0.	88.
40	5.	5.	5.	5.	5.	4.	4.	4.	4.	6.	6.	6.	7.	6.	7.	6.	5.	7.	4.	1.	0.	0.	99.
35	4.	4.	4.	4.	4.	4.	4.	4.	4.	6.	5.	5.	6.	6.	6.	5.	4.	6.	4.	1.	0.	0.	92.
31	5.	5.	5.	5.	5.	5.	5.	5.	5.	7.	7.	7.	8.	7.	8.	7.	6.	8.	5.	1.	0.	0.	118.
27	5.	5.	5.	5.	5.	5.	5.	5.	5.	7.	6.	6.	8.	7.	8.	7.	6.	8.	5.	1.	0.	0.	111.
24	6.	6.	6.	5.	5.	5.	5.	5.	5.	8.	7.	7.	9.	9.	10.	8.	7.	10.	6.	1.	0.	0.	130.
21	6.	6.	6.	6.	6.	6.	6.	6.	6.	5.	8.	8.	8.	10.	9.	11.	9.	8.	12.	6.	1.	0.	141.
18	4.	4.	4.	4.	4.	4.	4.	4.	4.	5.	5.	5.	7.	6.	7.	6.	5.	8.	4.	1.	0.	0.	95.
16	4.	4.	4.	4.	4.	4.	4.	4.	4.	5.	5.	5.	7.	6.	7.	6.	5.	8.	4.	1.	0.	0.	94.
14	4.	4.	4.	4.	4.	4.	4.	4.	4.	5.	5.	5.	7.	6.	7.	6.	5.	8.	4.	1.	0.	0.	92.
12	3.	3.	3.	3.	3.	3.	3.	3.	3.	5.	5.	5.	6.	6.	7.	6.	5.	7.	4.	1.	0.	0.	88.
10	3.	3.	3.	3.	3.	3.	3.	3.	3.	5.	5.	5.	6.	6.	7.	6.	5.	7.	3.	1.	0.	0.	85.
8	3.	3.	3.	3.	3.	3.	3.	3.	3.	5.	5.	5.	6.	6.	6.	6.	5.	6.	3.	1.	0.	0.	81.
6	3.	3.	3.	3.	3.	3.	3.	3.	3.	5.	5.	4.	5.	5.	6.	5.	4.	6.	3.	1.	0.	0.	76.
4	3.	3.	3.	3.	3.	3.	3.	3.	3.	4.	4.	4.	5.	5.	6.	5.	4.	5.	2.	1.	0.	0.	71.
2	3.	3.	3.	3.	3.	3.	3.	3.	3.	4.	4.	4.	5.	5.	5.	4.	3.	5.	2.	1.	0.	0.	67.
0	3.	3.	3.	3.	3.	3.	3.	3.	3.	4.	4.	4.	4.	4.	5.	4.	3.	4.	2.	1.	0.	0.	65.
-2	3.	3.	3.	3.	3.	3.	3.	3.	3.	4.	4.	4.	4.	4.	5.	4.	3.	4.	2.	1.	0.	0.	64.
-4	3.	3.	3.	3.	3.	3.	3.	3.	3.	4.	4.	4.	4.	4.	5.	4.	3.	4.	2.	1.	0.	0.	63.
-6	3.	3.	3.	3.	3.	3.	3.	3.	3.	4.	4.	4.	4.	4.	5.	4.	3.	4.	2.	1.	0.	0.	61.
-8	3.	3.	3.	3.	3.	3.	3.	3.	3.	4.	4.	3.	4.	4.	4.	4.	3.	4.	2.	1.	0.	0.	60.
-10	3.	3.	3.	3.	3.	3.	3.	3.	3.	2.	4.	3.	3.	4.	4.	4.	3.	3.	4.	2.	1.	0.	58.
-12	3.	3.	3.	3.	3.	3.	3.	3.	2.	2.	4.	3.	3.	4.	4.	4.	3.	3.	4.	2.	1.	0.	57.
-14	2.	3.	2.	2.	2.	2.	2.	2.	2.	3.	3.	3.	4.	4.	4.	3.	3.	4.	2.	1.	0.	0.	56.
-16	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	3.	3.	3.	4.	4.	4.	3.	2.	3.	2.	1.	0.	54.
-18	4.	4.	4.	4.	4.	4.	3.	3.	3.	5.	5.	4.	6.	5.	6.	5.	4.	5.	3.	1.	0.	0.	79.
-21	3.	3.	3.	3.	3.	3.	3.	3.	3.	5.	4.	4.	5.	5.	5.	4.	3.	5.	3.	1.	0.	0.	76.
-24	3.	3.	3.	3.	3.	3.	3.	3.	3.	4.	4.	4.	5.	5.	5.	4.	3.	5.	2.	1.	0.	0.	72.
-27	4.	4.	4.	4.	4.	4.	4.	4.	4.	6.	5.	5.	6.	6.	6.	5.	4.	6.	3.	1.	0.	0.	90.
-31	4.	4.	4.	4.	4.	4.	4.	4.	4.	5.	5.	5.	6.	5.	6.	5.	4.	5.	3.	1.	0.	0.	83.
-35	4.	4.	4.	4.	4.	4.	4.	4.	4.	5.	5.	5.	6.	5.	6.	5.	4.	5.	3.	1.	0.	0.	87.
-40	3.	3.	3.	3.	3.	3.	3.	3.	3.	4.	4.	3.	4.	4.	4.	3.	2.	4.	2.	1.	0.	0.	60.
-45	1.	1.	1.	1.	1.	1.	1.	1.	1.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	0.	0.	0.	30.
-50	0.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	2.	1.	0.	0.	0.	15.
-60	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	2.	1.	0.	0.	0.	14.
-70	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.
-80	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.
-90	123.	123.	123.	122.	122.	121.	120.	119.	117.	170.	165.	157.	197.	185.	205.	176.	143.	206.	110.	28.	0.	0.	2833.

LUMEN TOTAL THIS PAGE = 2833.



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LUMEN TABULATION - FIELD ONLY
 AVERAGE OF RIGHT AND LEFT SIDES

	0	2	4	6	8	10	12	14	16	18	21	24	27	31	35	40	45	50	60	70	80	90	TOTAL	
90																							0.	
80																								0.
70																								0.
60																								69.
50	4.	4.	4.	4.	3.	3.	3.	3.	3.	4.	4.	4.	5.	4.	5.	4.	4.	6.						76.
45	4.	4.	4.	4.	4.	4.	4.	4.	4.	5.	5.	5.	6.	5.	6.	5.	4.	6.	3.					87.
40	5.	5.	5.	5.	5.	4.	4.	4.	4.	6.	6.	6.	7.	6.	7.	6.	5.	7.	4.					98.
35	4.	4.	4.	4.	4.	4.	4.	4.	4.	6.	5.	5.	6.	6.	6.	5.	4.	6.	4.					91.
31	5.	5.	5.	5.	5.	5.	5.	5.	5.	7.	7.	7.	8.	7.	8.	7.	6.	8.	5.	1.				118.
27	5.	5.	5.	5.	5.	5.	5.	5.	5.	7.	6.	6.	8.	7.	8.	7.	6.	8.	5.	1.				111.
24	6.	6.	6.	5.	5.	5.	5.	5.	5.	8.	7.	7.	9.	9.	10.	8.	7.	10.	6.	1.				130.
21	6.	6.	6.	6.	6.	6.	6.	6.	6.	5.	8.	8.	8.	10.	9.	11.	9.	8.	12.	6.	1.			141.
18	4.	4.	4.	4.	4.	4.	4.	4.	4.	5.	5.	5.	7.	6.	7.	6.	5.	8.	4.	1.				95.
16	4.	4.	4.	4.	4.	4.	4.	4.	4.	5.	5.	5.	7.	6.	7.	6.	5.	8.	4.	1.				94.
14	4.	4.	4.	4.	4.	4.	4.	4.	4.	5.	5.	5.	7.	6.	7.	6.	5.	8.	4.	1.				92.
12	3.	3.	3.	3.	3.	3.	3.	3.	3.	5.	5.	5.	6.	6.	7.	6.	5.	7.	4.	1.				88.
10	3.	3.	3.	3.	3.	3.	3.	3.	3.	5.	5.	5.	6.	6.	7.	6.	5.	7.	3.	1.				85.
8	3.	3.	3.	3.	3.	3.	3.	3.	3.	5.	5.	5.	6.	6.	6.	6.	5.	6.	3.	1.				81.
6	3.	3.	3.	3.	3.	3.	3.	3.	3.	5.	5.	4.	5.	5.	6.	5.	4.	6.	3.	1.				76.
4	3.	3.	3.	3.	3.	3.	3.	3.	3.	4.	4.	4.	5.	5.	6.	5.	4.	5.	2.	1.				71.
2	3.	3.	3.	3.	3.	3.	3.	3.	3.	4.	4.	4.	5.	5.	5.	4.	3.	5.	2.	1.				67.
0	3.	3.	3.	3.	3.	3.	3.	3.	3.	4.	4.	4.	4.	4.	5.	4.	3.	4.	2.	1.				65.
-2	3.	3.	3.	3.	3.	3.	3.	3.	3.	4.	4.	4.	4.	4.	5.	4.	3.	4.	2.	1.				64.
-4	3.	3.	3.	3.	3.	3.	3.	3.	3.	4.	4.	4.	4.	4.	5.	4.	3.	4.	2.	1.				63.
-6	3.	3.	3.	3.	3.	3.	3.	3.	3.	4.	4.	4.	4.	4.	5.	4.	3.	4.	2.	1.				61.
-8	3.	3.	3.	3.	3.	3.	3.	3.	3.	4.	4.	3.	4.	4.	4.	4.	3.	4.	2.	1.				60.
-10	3.	3.	3.	3.	3.	3.	3.	3.	3.	4.	4.	3.	4.	4.	4.	4.	3.	4.	2.	1.				58.
-12	3.	3.	3.	3.	3.	3.	3.	3.	2.	4.	3.	3.	4.	4.	4.	3.	3.	4.	2.	1.				57.
-14	2.	3.	2.	2.	2.	2.	2.	2.	2.	3.	3.	3.	4.	4.	4.	3.	3.	4.	2.	1.				56.
-16	2.	2.	2.	2.	2.	2.	2.	2.	2.	3.	3.	3.	4.	4.	4.	3.	2.	3.	2.	1.				54.
-18	4.	4.	4.	4.	4.	4.	3.	3.	3.	5.	5.	4.	6.	5.	6.	5.	4.	5.	3.	1.				79.
-21	3.	3.	3.	3.	3.	3.	3.	3.	3.	5.	4.	4.	5.	5.	5.	4.	3.	5.	3.	1.				76.
-24	3.	3.	3.	3.	3.	3.	3.	3.	3.	4.	4.	4.	5.	5.	5.	4.	3.	5.	2.	1.				72.
-27	4.	4.	4.	4.	4.	4.	4.	4.	4.	6.	5.	5.	6.	6.	6.	5.	4.	6.	3.	1.				90.
-31	4.	4.	4.	4.	4.	4.	4.	4.	4.	5.	5.	5.	6.	5.	6.	5.	4.	5.	3.	1.				83.
-35	4.	4.	4.	4.	4.	4.	4.	4.	4.	5.	5.	5.	6.	5.	6.	5.	4.	5.	3.					86.
-40	3.	3.	3.	3.	3.	3.	3.	3.	3.	4.	4.	3.	4.	4.	4.	3.	2.	4.	2.					60.
-45	1.	1.	1.	1.	1.	1.	1.	1.	1.	2.	2.	2.	2.	2.	2.									22.
-50																								0.
-60																								0.
-70																								0.
-80																								0.
-90	122.	122.	122.	121.	121.	119.	118.	117.	115.	168.	163.	155.	195.	182.	203.	171.	139.	199.	102.	23.	0.		2778.	

LUMEN TOTAL THIS PAGE = 2778.

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ISOCANDELA CURVES
AVERAGE OF RIGHT AND LEFT SIDES

