

REPORT NUMBER: PRORATED FROM RAB02057

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ISSUE DATE: 06/16/16

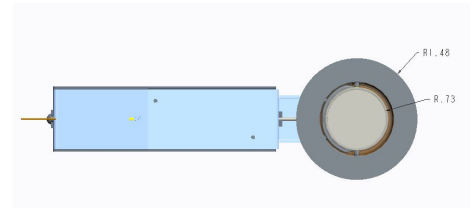
PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RDLED2AR8-30N-TW

LUMINAIRE: FABRICATED METAL UPPER HOUSING AND BALLAST HOUSING, CAST BLACK PAINTED FINNED METAL HEAT SINK, CAST WHITE PAINTED METAL GIMBAL, 1 WHITE CIRCUIT BOARD WITH ONE LED, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, HOLOGRAPHIC FLAT PLASTIC LENS, CAST WHITE METAL LOWER HOUSING.

LAMP: ONE WHITE MULTI-CHIP LIGHT EMITTING DIODE (LED) WITH CLEAR HEMISPHERICAL INTEGRAL LENS, VERTICAL BASE-UP POSITION.

(SEE PAGE 2 FOR MORE INFORMATION)



DEG	CANDELA	LUMENS
0	1835	
5	1743	156
15	913	253
25	345	164
35	158	99
45	50	41
55	25	23
65	15	16
75	8	9
85	3	3
90	0	

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	573	75.0
0- 40	672	88.0
0- 60	737	96.4
0- 90	764	100.0
90-180	0	0.0
0-180	764	100.0

TOTAL INPUT WATTS = 8.2459

EFFICACY = 92.7 Lm/W

CIE TYPE - DIRECT

LUMINAIRE SPACING CRITERION = 0.5

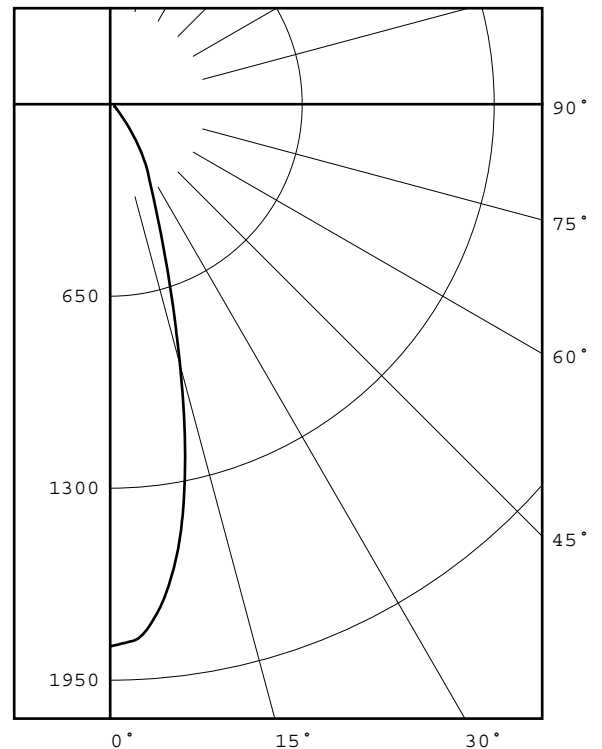
LUMINOUS DIAMETER: 0.950

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE AVERAGE

IN DEG

45	156028.
55	96176.
65	79768.
75	71046.
85	70327.



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

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ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB02057 WHICH WAS
RDLED2AR8-30YYHC-TW. ACTUAL PERFORMANCE MAY VARY.

TOTAL INPUT WATTS: 8.2459 W AT 120.0 VOLTS

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE: 28.25 FEET

PREPARED FOR: RAB LIGHTING INC.

LED DRIVER: RD-008-E1-A0200

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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BEAM ANGLE (50%) : 29.9 DEGREES
FIELD ANGLE (10%): 67.1 DEGREES

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CANDELA DISTRIBUTION

	0.0
0.0	1835
2.5	1818
5.0	1743
7.5	1607
10.0	1413
12.5	1171
15.0	913
17.5	700
20.0	540
22.5	425
25.0	345
27.5	289
30.0	245
32.5	202
35.0	158
37.5	118
40.0	86
42.5	64
45.0	50
47.5	41
50.0	35
52.5	29
55.0	25
57.5	22
60.0	20
62.5	18
65.0	15
67.5	14
70.0	11
72.5	10
75.0	8
77.5	7
80.0	6
82.5	4
85.0	3
87.5	1
90.0	0

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ZONAL LUMEN SUMMARY

0- 5	43.
5- 10	113.
10- 15	137.
15- 20	116.
20- 25	90.
25- 30	74.
30- 35	59.
35- 40	40.
40- 45	24.
45- 50	17.
50- 55	13.
55- 60	10.
60- 65	9.
65- 70	7.
70- 75	5.
75- 80	4.
80- 85	2.
85- 90	1.

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	43
5- 10	113
10- 15	137
15- 20	116
20- 25	90
25- 30	74
30- 35	59
35- 40	40
40- 45	24
45- 50	17
50- 55	13
55- 60	10
60- 65	9
65- 70	7
70- 75	5
75- 80	4
80- 85	2
85- 90	1

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	156
0- 20	409
0- 30	573
0- 40	672
0- 50	714
0- 60	737
0- 70	752
0- 80	761
0- 90	764

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82
4	98	91	86	82	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	72
6	90	81	76	72	88	81	75	71	79	74	71	78	74	71	76	73	70	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65
8	83	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	64	61	59
10	76	67	62	59	75	67	62	59	66	62	58	66	61	58	65	61	58	57

ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES 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.

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CONE OF LIGHT DIAGRAM

(diameter shown is where fc value is half the fc at nadir)

