

REPORT NUMBER: PRORATED FROM RAB02057

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ISSUE DATE: 06/16/16

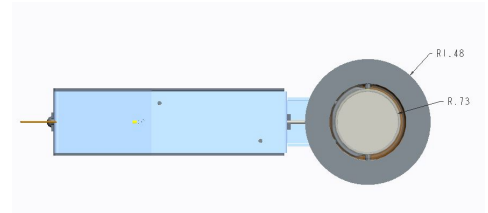
PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RDLED2AR8-30YY-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	1480	
5	1405	126
15	736	204
25	278	132
35	128	80
45	41	33
55	20	19
65	12	13
75	7	7
85	2	2
90	0	

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	462	75.0
0- 40	542	88.0
0- 60	594	96.4
0- 90	616	100.0
90-180	0	0.0
0-180	616	100.0

TOTAL INPUT WATTS = 8.7057

EFFICACY = 70.8 Lm/W

CIE TYPE - DIRECT

LUMINAIRE SPACING CRITERION = 0.5

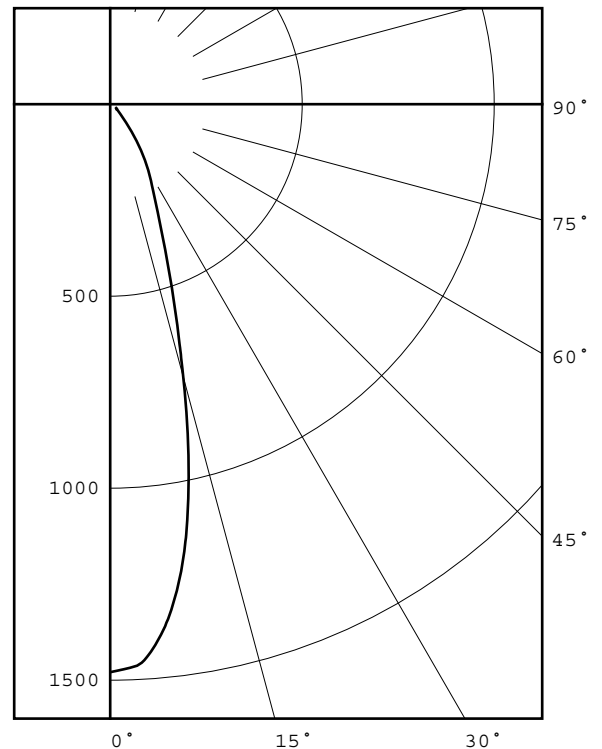
LUMINOUS DIAMETER: 0.950

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE AVERAGE

IN DEG

45	125815.
55	77552.
65	64322.
75	57289.
85	56709.



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: 8.7057 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	1480
2.5	1466
5.0	1405
7.5	1296
10.0	1140
12.5	944
15.0	736
17.5	564
20.0	435
22.5	343
25.0	278
27.5	233
30.0	198
32.5	163
35.0	128
37.5	95
40.0	69
42.5	52
45.0	41
47.5	33
50.0	28
52.5	24
55.0	20
57.5	18
60.0	16
62.5	15
65.0	12
67.5	11
70.0	9
72.5	8
75.0	7
77.5	6
80.0	5
82.5	3
85.0	2
87.5	1
90.0	0

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## ZONAL LUMEN SUMMARY

0- 5	35.
5- 10	91.
10- 15	110.
15- 20	94.
20- 25	73.
25- 30	59.
30- 35	48.
35- 40	32.
40- 45	20.
45- 50	14.
50- 55	10.
55- 60	8.
60- 65	7.
65- 70	6.
70- 75	4.
75- 80	3.
80- 85	2.
85- 90	1.

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5-DEGREE  
ZONAL LUMEN SUMMARY

0- 5	35
5- 10	91
10- 15	110
15- 20	94
20- 25	73
25- 30	59
30- 35	48
35- 40	32
40- 45	20
45- 50	14
50- 55	10
55- 60	8
60- 65	7
65- 70	6
70- 75	4
75- 80	3
80- 85	2
85- 90	1

10-DEGREE  
ZONAL LUMEN SUMMARY

0- 10	126
0- 20	330
0- 30	462
0- 40	542
0- 50	575
0- 60	594
0- 70	607
0- 80	614
0- 90	616

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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.

# CONE OF LIGHT DIAGRAM

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

