

REPORT NUMBER: PRORATED FROM RAB02055

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ISSUE DATE: 06/15/16

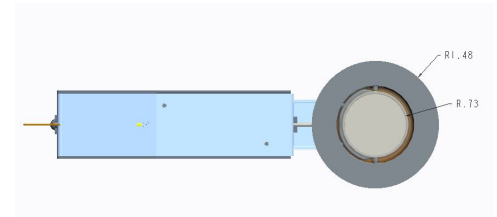
PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RDLED2AR8-20YNHC-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	2719	
5	2325	191
15	731	213
25	278	131
35	117	74
45	28	24
55	11	11
65	6	6
75	3	4
85	1	2
90	0	

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	534	81.6
0- 40	608	92.9
0- 60	643	98.2
0- 90	655	100.0
90-180	0	0.0
0-180	655	100.0

TOTAL INPUT WATTS = 8.2094

EFFICACY = 79.8 Lm/W

CIE TYPE - DIRECT

LUMINAIRE SPACING CRITERION = 0.3

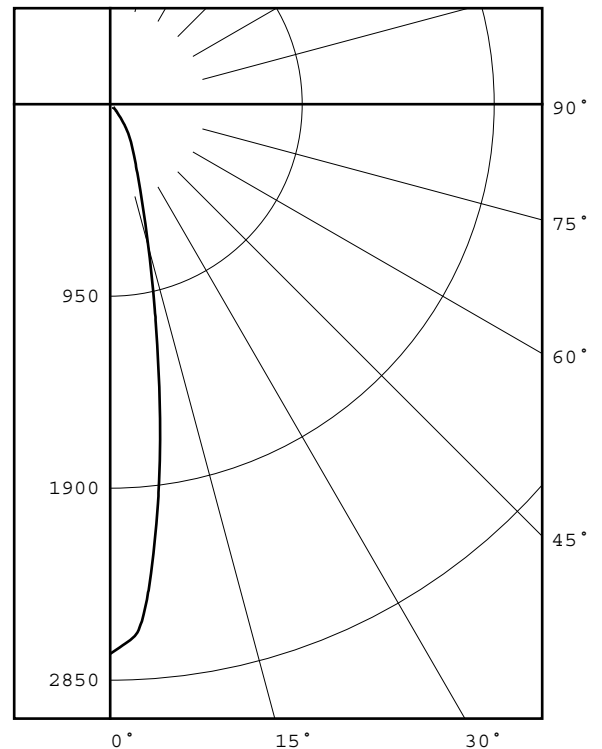
LUMINOUS DIAMETER: 0.950

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE AVERAGE

IN DEG

45	85240.
55	43785.
65	29713.
75	29110.
85	28815.



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

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ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB02055 WHICH WAS
RDLED2AR8-20YYHC-TW. ACTUAL PERFORMANCE MAY VARY.

TOTAL INPUT WATTS: 8.2094 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%) : 20.4 DEGREES
FIELD ANGLE (10%): 50.7 DEGREES

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CANDELA DISTRIBUTION

	0.0
0.0	2719
2.5	2642
5.0	2325
7.5	1861
10.0	1392
12.5	1010
15.0	731
17.5	546
20.0	422
22.5	337
25.0	278
27.5	233
30.0	195
32.5	156
35.0	117
37.5	84
40.0	56
42.5	39
45.0	28
47.5	21
50.0	17
52.5	14
55.0	11
57.5	10
60.0	9
62.5	7
65.0	6
67.5	6
70.0	5
72.5	5
75.0	3
77.5	3
80.0	2
82.5	2
85.0	1
87.5	1
90.0	0

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ZONAL LUMEN SUMMARY

0- 5	61.
5- 10	130.
10- 15	121.
15- 20	92.
20- 25	72.
25- 30	59.
30- 35	46.
35- 40	28.
40- 45	15.
45- 50	9.
50- 55	6.
55- 60	5.
60- 65	3.
65- 70	3.
70- 75	2.
75- 80	2.
80- 85	1.
85- 90	0.

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	61
5- 10	130
10- 15	121
15- 20	92
20- 25	72
25- 30	59
30- 35	46
35- 40	28
40- 45	15
45- 50	9
50- 55	6
55- 60	5
60- 65	3
65- 70	3
70- 75	2
75- 80	2
80- 85	1
85- 90	0
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	191
0- 20	403
0- 30	534
0- 40	608
0- 50	632
0- 60	643
0- 70	649
0- 80	653
0- 90	655
0-100	655
0-110	655
0-120	655
0-130	655
0-140	655
0-150	655
0-160	655
0-170	655
0-180	655

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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	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	97	95
2	109	105	102	99	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85
4	101	94	90	86	99	93	89	86	91	87	85	89	86	84	87	85	83	81
5	97	90	85	81	95	89	84	81	87	83	80	86	82	80	84	81	79	78
6	93	86	81	77	92	85	80	77	84	80	77	82	79	76	81	78	76	74
7	90	82	77	74	89	82	77	74	80	76	73	79	76	73	78	75	73	71
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66
10	81	73	69	65	80	73	68	65	72	68	65	72	68	65	71	67	65	64

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)

