

REPORT NUMBER: PRORATED FROM RAB02177

PAGE: 1 OF 6

ISSUE DATE: 07/06/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: SK21XL25RN

LUMINAIRE: STAMPED STEEL CEILING PAN WITH WHITE FINISH, 10 LED BOARDS  
EACH WITH 10 LEDS, ACRYLIC DROP LENS WITH SMOOTH FINISH.

LAMPS: ONE-HUNDRED WHITE LIGHT EMITTING DIODES (LEDs), VERTICAL BASE-UP  
POSITION.

NOTE: THIS REPORT WAS PRORATED FROM RAB02177 WHICH WAS SK21XL25RYY.  
ACTUAL PERFORMANCE MAY VARY.

TOTAL INPUT WATTS = 25.076 AT 120.0 VOLTS.

LED DRIVER: RDD-MK022-MKP45-A0700

TST PROCEDURE: IESNA LM 79-08

TEST DISTANCE = 25.25 FEET

DEG	CANDELA	LUMENS
0	738	
5	736	70
15	713	201
25	664	306
35	595	372
45	506	392
55	407	364
65	294	292
75	184	196
85	97	108
90	68	
95	46	52
105	27	29
115	24	25
125	24	22
135	24	19
145	24	15
155	24	11
165	22	6
175	23	2
180	23	

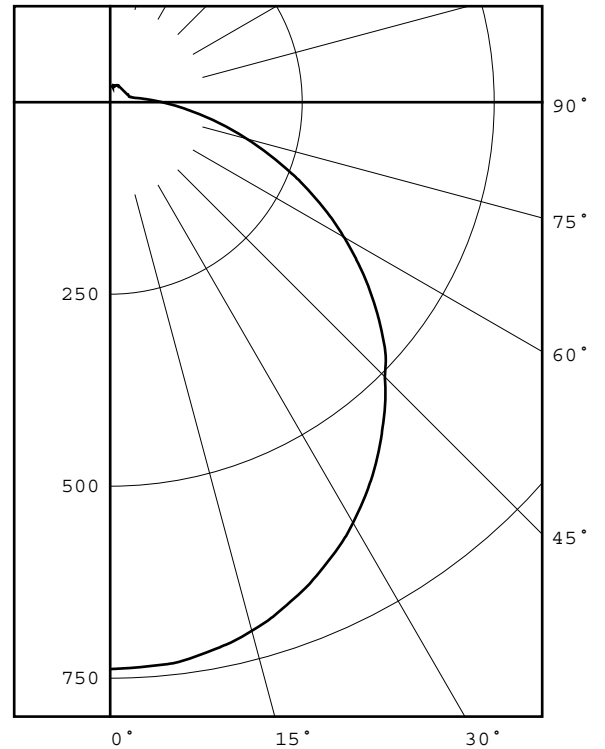
ZONAL LUMEN ZONE	SUMMARY LUMENS	%FIXT
0- 30	577	23.3
0- 40	949	38.2
0- 60	1705	68.7
0- 90	2301	92.7
90-120	106	4.3
90-130	128	5.2
90-150	162	6.5
90-180	181	7.3
0-180	2482	100.0

TOTAL INPUT WATTS = 25.076

EFFICACY = 99.0 Lm/W

CIE TYPE - DIRECT

LUMINAIRE SPACING CRITERION = 1.3



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

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LUMINOUS DIAMETER: 20.700  
HEIGHT OF SIDE : 3.460

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE AVERAGE

IN DEG

45	2716.
55	2508.
65	2201.
75	1821.
85	1497.

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### CANDELA DISTRIBUTION

	0.0
0.0	738
5.0	736
10.0	727
15.0	713
20.0	691
25.0	664
30.0	632
35.0	595
40.0	552
45.0	506
50.0	461
55.0	407
60.0	351
65.0	294
70.0	237
75.0	184
80.0	137
85.0	97
90.0	68
95.0	46
100.0	33
105.0	27
110.0	26
115.0	24
120.0	24
125.0	24
130.0	24
135.0	24
140.0	24
145.0	24
150.0	24
155.0	24
160.0	23
165.0	22
170.0	19
175.0	23
180.0	23

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### ZONAL LUMEN SUMMARY

0- 5	18.
5- 10	52.
10- 15	85.
15- 20	116.
20- 25	142.
25- 30	164.
30- 35	181.
35- 40	191.
40- 45	196.
45- 50	196.
50- 55	189.
55- 60	175.
60- 65	157.
65- 70	135.
70- 75	110.
75- 80	86.
80- 85	63.
85- 90	45.
90- 95	31.
95-100	21.
100-105	16.
105-110	14.
110-115	13.
115-120	12.
120-125	11.
125-130	11.
130-135	10.
135-140	9.
140-145	8.
145-150	7.
150-155	6.
155-160	5.
160-165	4.
165-170	2.
170-175	2.
175-180	1.

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### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	18
5- 10	52
10- 15	85
15- 20	116
20- 25	142
25- 30	164
30- 35	181
35- 40	191
40- 45	196
45- 50	196
50- 55	189
55- 60	175
60- 65	157
65- 70	135
70- 75	110
75- 80	86
80- 85	63
85- 90	45
90- 95	31
95-100	21
100-105	16
105-110	14
110-115	13
115-120	12
120-125	11
125-130	11
130-135	10
135-140	9
140-145	8
145-150	7
150-155	6
155-160	5
160-165	4
165-170	2
170-175	2
175-180	1

### 10-DEGREE ZONAL LUMEN SUMMARY

0- 10	70
0- 20	271
0- 30	577
0- 40	949
0- 50	1341
0- 60	1705
0- 70	1997
0- 80	2193
0- 90	2301
0-100	2353
0-110	2383
0-120	2407
0-130	2429
0-140	2448
0-150	2463
0-160	2474
0-170	2480
0-180	2482

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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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	106	100	96	91	102	97	93	89	92	88	85	87	84	81	82	80	77	75
2	96	87	80	74	92	84	78	72	80	74	69	75	71	67	71	67	64	61
3	87	76	67	61	84	74	66	60	70	63	58	66	60	56	62	58	54	51
4	79	67	58	51	77	65	57	50	62	54	49	59	52	47	56	50	46	43
5	73	60	51	44	70	58	50	43	55	48	42	52	46	41	50	44	40	37
6	67	54	45	38	65	52	44	37	50	42	37	47	41	36	45	39	35	33
7	62	49	40	33	60	47	39	33	45	38	32	43	36	32	41	35	31	29
8	58	44	36	30	56	43	35	29	41	34	29	39	33	28	38	32	28	26
9	54	41	32	27	52	40	32	26	38	31	26	36	30	25	35	29	25	23
10	51	37	29	24	49	37	29	24	35	28	23	34	27	23	32	27	23	21

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.