



UL Verification Services Inc.
7036 Snowdrift Road
Allentown, PA 18106
610-774-1300



Indoor Distribution Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-10-2014

Prepared For
VokslYTE

8020 Queenair Dr
Gaithersburg, MD 20879-4173
United States

Catalog Number

Tangent UP/Down Remote 3000K

Order Number
14346055
Test Number
14346055.03

Test Date

2022-06-08

Prepared By

Josh Mitchell, Technician

Approved By

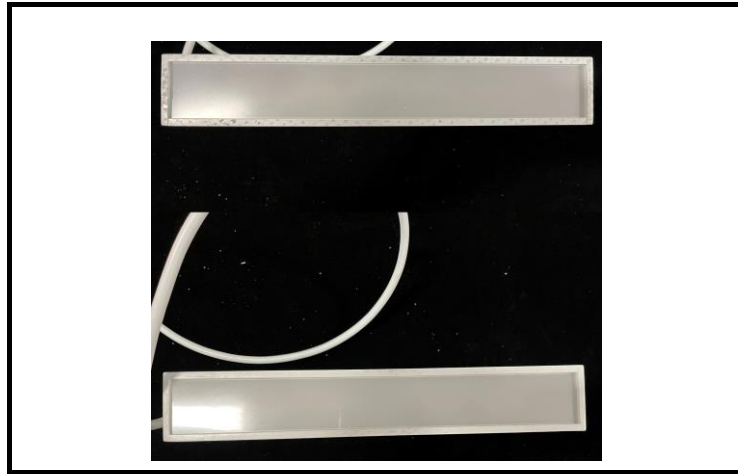
Shivani Vyas, Engineering Project Handler

The results contained in this report pertain only to the tested sample.
This report shall not be reproduced, except in full, without written approval of Underwriters Laboratories.
This report must not be used by the client to claim product certification, approval, or endorsement by
NVLAP, NIST, or any agency of the Federal Government.



Luminaire Description: Cast aluminum housing, frosted lens enclosure
Lamp: Total 72 LEDs 36 up and downlight white LEDs
Mounting: Pendant

Luminaire



Luminaire Characteristics

Luminous Length: 12.00 in.
Luminous Width: 2.000 in.
Luminous Height: 7.75 in.

Summary of Results

Total Luminaire Output: 876.0 Lumens
Luminaire Efficacy: 56.9 lm/w
Maximum Candela: 201 Candela

Test Conditions

Test Temperature: 24.9 °C
Voltage: 24.01 VDC
Current: 0.6410 A
Power: 15.39 W

Laboratory results may not be representative of field performance
Ballast factors have not been applied



Distribution - Goniophotometer

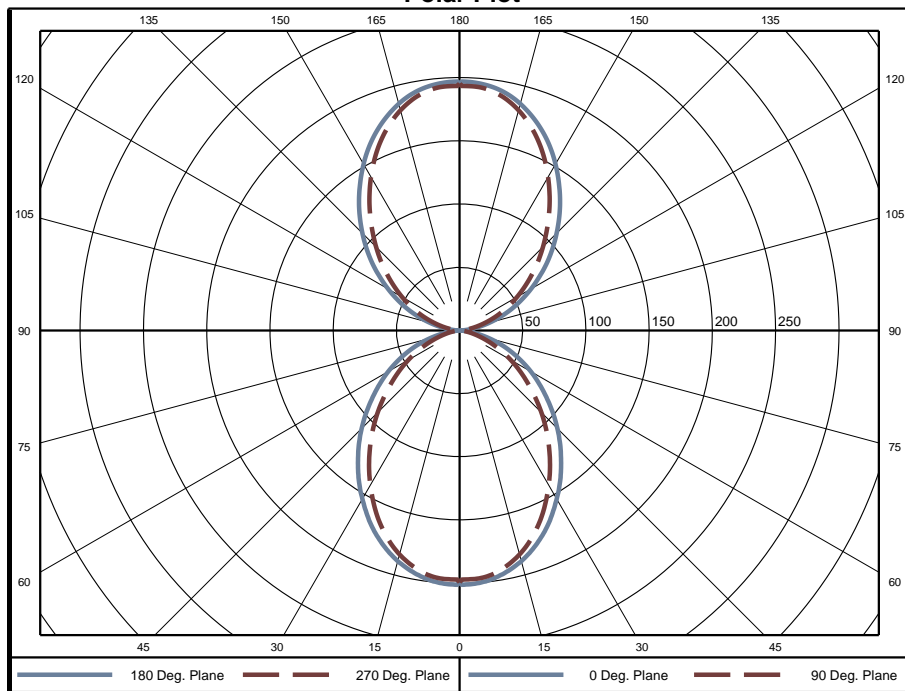
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.9 °C	24.01 VDC	0.6410 A	15.39 W	N/A	N/A	N/A

Summary of Results

Spacing Criteria	Total Lumen Output:	876.0 Lumens
0-180: 1.16	Luminaire Efficacy:	56.9 lm/w
90-270: 1.08	Maximum Candela:	201 Candela
Corrected UGR (Room Dimension: X=4H, Y=8H, Reflectances: 70/50/20%, S/H: 1)		
Crosswise: 10.8	Endwise: 10.9	

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	4.76	0.5%	60-65	23.98	2.7%	120-125	30.10	3.4%
5-10	14.05	1.6%	65-70	18.29	2.1%	125-130	34.44	3.9%
10-15	22.57	2.6%	70-75	12.47	1.4%	130-135	37.83	4.3%
15-20	29.86	3.4%	75-80	7.15	0.8%	135-140	40.09	4.6%
20-25	35.51	4.1%	80-85	3.01	0.3%	140-145	41.17	4.7%
25-30	39.28	4.5%	85-90	0.71	0.1%	145-150	40.78	4.7%
30-35	41.27	4.7%	90-95	1.00	0.1%	150-155	38.75	4.4%
35-40	41.51	4.7%	95-100	4.05	0.5%	155-160	34.92	4.0%
40-45	40.24	4.6%	100-105	8.68	1.0%	160-165	29.32	3.3%
45-50	37.53	4.3%	105-110	14.15	1.6%	165-170	22.17	2.5%
50-55	33.72	3.8%	110-115	19.82	2.3%	170-175	13.78	1.6%
55-60	29.19	3.3%	115-120	25.18	2.9%	175-180	4.66	0.5%

Zone	Lumens	% of Luminaire
0-40	229	26.1%
0-60	369	42.2%
0-90	435	49.7%
90-180	441	50.3%



Candela Tabulation
Horizontal Angle (Degrees)

	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5
0	199.2	199.2	199.2	199.2	199.2	199.2	199.2	199.2	199.2	199.2	199.2	199.2	199.2	199.2	199.2	199.2
5	199.9	199.6	198.3	197.5	196.5	197.5	198.3	199.6	199.9	199.6	198.3	197.5	196.5	197.5	198.3	199.6
10	195.7	195.7	194.1	192.9	191.9	192.9	194.1	195.7	195.7	195.7	194.1	192.9	191.9	192.9	194.1	195.7
15	188.8	188.8	186.3	184.6	183.4	184.6	186.3	188.8	188.8	188.8	186.3	184.6	183.4	184.6	186.3	188.8
20	179.2	179.3	175.6	173.1	171.7	173.1	175.6	179.3	179.2	179.3	175.6	173.1	171.7	173.1	175.6	179.3
25	167.5	167.0	162.5	159.2	157.3	159.2	162.5	167.0	167.5	167.0	162.5	159.2	157.3	159.2	162.5	167.0
30	153.8	153.1	147.7	143.3	141.1	143.3	147.7	153.1	153.8	153.1	147.7	143.3	141.1	143.3	147.7	153.1
35	139.5	138.4	132.3	127.3	124.7	127.3	132.3	138.4	139.5	138.4	132.3	127.3	124.7	127.3	132.3	138.4
40	124.6	122.7	116.6	111.1	108.1	111.1	116.6	122.7	124.6	122.7	116.6	111.1	108.1	111.1	116.6	122.7
45	109.5	107.7	100.8	94.6	91.5	94.6	100.8	107.7	109.5	107.7	100.8	94.6	91.5	94.6	100.8	107.7
50	94.1	92.2	85.3	78.5	75.3	78.5	85.3	92.2	94.1	92.2	85.3	78.5	75.3	78.5	85.3	92.2
55	79.4	77.3	70.2	63.5	60.6	63.5	70.2	77.3	79.4	77.3	70.2	63.5	60.6	63.5	70.2	77.3
60	65.4	63.2	56.0	49.5	46.8	49.5	56.0	63.2	65.4	63.2	56.0	49.5	46.8	49.5	56.0	63.2
65	51.4	49.4	42.2	36.3	33.9	36.3	42.2	49.4	51.4	49.4	42.2	36.3	33.9	36.3	42.2	49.4
70	38.1	35.8	29.1	24.1	22.4	24.1	29.1	35.8	38.1	35.8	29.1	24.1	22.4	24.1	29.1	35.8
75	25.1	22.8	17.1	14.0	13.0	14.0	17.1	22.8	25.1	22.8	17.1	14.0	13.0	14.0	17.1	22.8
80	13.4	11.4	7.9	6.6	6.1	6.6	7.9	11.4	13.4	11.4	7.9	6.6	6.1	6.6	7.9	11.4
85	4.4	3.3	2.3	2.2	2.2	2.2	2.3	3.3	4.4	3.3	2.3	2.2	2.2	2.2	2.3	3.3
90	0.5	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.3	0.4	0.4	0.4
95	4.7	4.5	3.9	3.7	3.5	3.7	3.9	4.5	4.7	4.5	3.9	3.7	3.5	3.7	3.9	4.5
100	13.8	13.1	11.1	9.9	9.5	9.9	11.1	13.1	13.8	13.1	11.1	9.9	9.5	9.9	11.1	13.1
105	25.1	24.0	21.2	18.9	18.0	18.9	21.2	24.0	25.1	24.0	21.2	18.9	18.0	18.9	21.2	24.0
110	37.9	36.5	32.7	29.7	28.5	29.7	32.7	36.5	37.9	36.5	32.7	29.7	28.5	29.7	32.7	36.5
115	51.1	49.5	45.1	41.4	40.0	41.4	45.1	49.5	51.1	49.5	45.1	41.4	40.0	41.4	45.1	49.5
120	64.9	63.2	58.2	53.9	52.2	53.9	58.2	63.2	64.9	63.2	58.2	53.9	52.2	53.9	58.2	63.2
125	79.2	77.4	71.7	67.0	65.1	67.0	71.7	77.4	79.2	77.4	71.7	67.0	65.1	67.0	71.7	77.4
130	94.0	92.2	86.3	81.0	79.0	81.0	86.3	92.2	94.0	92.2	86.3	81.0	79.0	81.0	86.3	92.2
135	108.6	106.8	100.6	95.4	93.4	95.4	100.6	106.8	108.6	106.8	100.6	95.4	93.4	95.4	100.6	106.8
140	123.4	121.5	115.7	110.6	108.5	110.6	115.7	121.5	123.4	121.5	115.7	110.6	108.5	110.6	115.7	121.5
145	137.7	136.3	130.9	126.3	124.4	126.3	130.9	136.3	137.7	136.3	130.9	126.3	124.4	126.3	130.9	136.3
150	151.9	150.8	145.8	141.8	140.1	141.8	145.8	150.8	151.9	150.8	145.8	141.8	140.1	141.8	145.8	150.8
155	165.0	164.1	160.0	156.8	155.4	156.8	160.0	164.1	165.0	164.1	160.0	156.8	155.4	156.8	160.0	164.1
160	176.3	175.8	172.3	170.1	169.1	170.1	172.3	175.8	176.3	175.8	172.3	170.1	169.1	170.1	172.3	175.8
165	185.7	185.4	182.7	181.2	180.3	181.2	182.7	185.4	185.7	185.4	182.7	181.2	180.3	181.2	182.7	185.4
170	192.4	192.2	190.3	189.4	188.5	189.4	190.3	192.2	192.4	192.2	190.3	189.4	188.5	189.4	190.3	192.2
175	195.9	195.6	194.0	193.6	192.9	193.6	194.0	195.6	195.9	195.6	194.0	193.6	192.9	193.6	194.0	195.6
180	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2	195.2

Average Luminance (cd/m²)
Horizontal Angle (Degrees)

	0	45	90
0	12870	12870	12870
45	10000	9206	8355
55	8936	7907	6820
65	7850	6449	5186
75	6263	4268	3255
85	3285	1708	1656

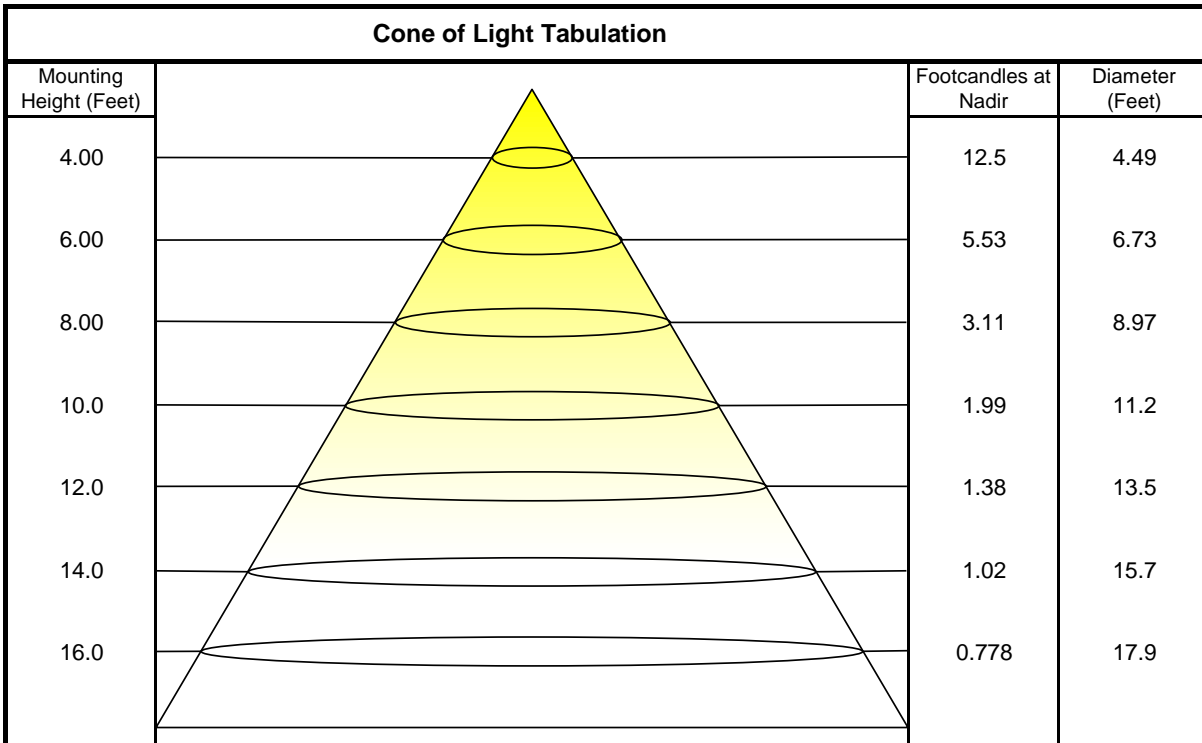


Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20%

Ceiling Cavity Reflectance	80				70				50			30			10			0
Wall Reflectance	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio (RCR)	** Values are expressed as percent of total lumen output delivered to the task surface **																	
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	98	94	90	87	90	87	84	81	74	71	69	61	60	58	50	49	48	43
2	90	83	77	72	83	77	71	67	65	61	58	54	52	49	45	43	41	37
3	82	73	66	60	76	68	61	57	58	53	49	48	45	42	40	38	35	31
4	75	65	57	51	69	60	53	48	51	46	42	43	40	37	36	33	31	27
5	69	58	50	44	64	54	47	42	46	41	37	39	35	32	32	30	27	24
6	64	52	44	39	59	49	42	36	42	36	32	35	31	28	30	26	24	21
7	59	47	39	34	55	44	37	32	38	33	29	32	28	25	27	24	22	19
8	55	43	35	30	51	40	33	29	35	29	25	30	25	22	25	22	19	17
9	51	39	32	27	47	37	30	26	32	27	23	27	23	20	23	20	18	15
10	48	36	29	24	44	34	27	23	29	24	21	25	21	18	21	18	16	14

Beam and Field Information	
CIE Type:	Direct/Indirect
Center Beam Intensity:	199.2 Candela
Central Cone Intensity:	199 Candela
Beam Flux:	543.1 Lumens
Beam Angle (0-180):	96.5 Degrees
Beam Angle (90-270):	85.1 Degrees
Field Angle (0-180):	154.2 Degrees
Field Angle (90-270):	142.4 Degrees





ISOFootcandle Plot

Mounting Height - 8 Feet

