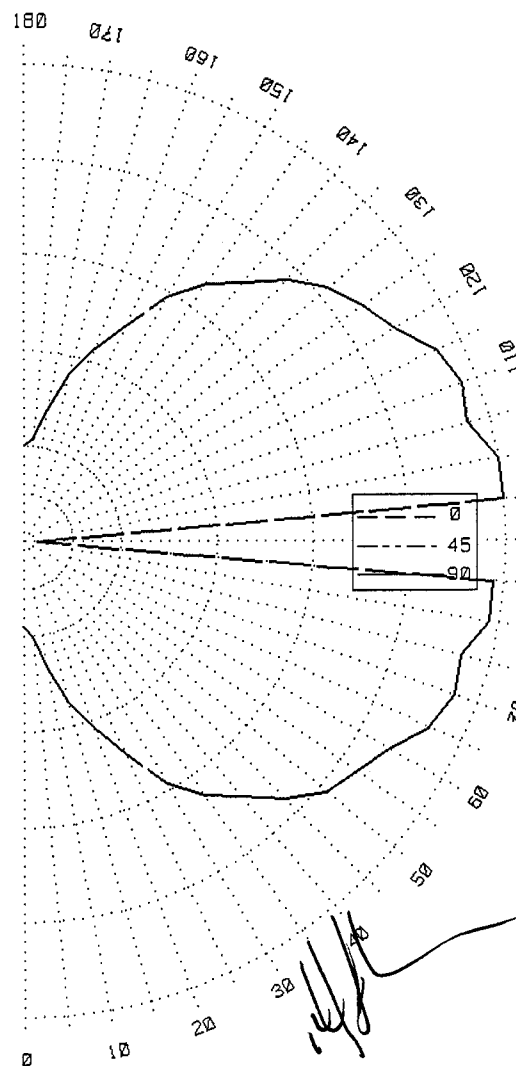


SIGNIFICANCE OF THE TEST IS LIMITED TO THE DEGREE THAT THE TESTED SAMPLE IS REPRESENTATIVE. OTHER FACTORS AFFECT FIELD PERFORMANCE.

BALLABS CERTIFIED TEST REPORT NO.: 20926.0 DATE 08/14/19
PREPARED FOR: OCL ORIGINAL CAST LIGHTING INC - ST. LOUIS, MO
DESCRIPTION: 4-72LED 36"ARRAYS REV 4'INNER PENDANT
4'ROUND RAW ALUM HOUSING w/1 WHITE SILICONE LENS
2 OPTOTRONIC #OT40W-PRG1400C-UNV-DIM @ 850mA EACH
CATALOG NBR: RV1-P1EM-48-MW-PTD-LED2_35K-UNV-48
LAMP TYPE : NICHIA LED10-35K OCL BOARDS

CANDLEPOWER DISTRIBUTION

VERT ANG	AVERAGE CANDELA	ZONAL LUMENS
0	63.	
5	70.	6.7
10	94.	
15	123.	35.0
20	146.	
25	172.	79.6
30	204.	
35	227.	142.9
40	244.	
45	268.	207.5
50	286.	
55	295.	264.9
60	307.	
65	326.	323.3
70	334.	
75	330.	349.2
80	345.	
85	344.	375.0
90	9.	
95	351.	382.8
100	351.	
105	335.	354.3
110	340.	
115	332.	329.2
120	313.	
125	301.	270.3
130	289.	
135	272.	210.4
140	248.	
145	231.	145.1
150	208.	
155	176.	81.2
160	151.	
165	128.	36.2
170	99.	
175	77.	7.3
180	71.	



NVLAP[®]
TESTING

NVLAP LAB CODE 200921-0

LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT	ZONE	LUMENS	%LAMP	%FIXT
0- 30	121.	NA.	3.4	90-120	1066.	NA.	29.6
0- 40	264.	NA.	7.3	90-130	1337.	NA.	37.1
0- 60	737.	NA.	20.5	90-150	1692.	NA.	47.0
0- 90	1784.	NA.	49.5	90-180	1817.	NA.	50.5
TOTAL LUMINAIRE =				0-180	3601.	NA.	100.0

IES SPACING CRITERIA: ADJACENT= 3.9 DIAGONAL= 2.7

THIS BALLABS REPORT WITH THE USE OF THE NVLAP LOGO SHALL NOT BE USED BY THIS CLIENT TO CLAIM PRODUCT CERTIFICATION, APPROVAL, OR ENDORSEMENT BY NVLAP, NIST, OR ANY AGENCY OF THE FEDERAL GOVERNMENT.

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 CATALOG NBR: RV1-P1EM-48-MW-PTD-LED2_35K-UNV-48
 LAMP TYPE : NICHIA LED10-35K OCL BOARDS

LUMINANCES-CD/SQ-M
 HORIZONTAL ANGLE
 0

VERT
 ANGLE
 45 373.
 55 496.
 65 719.
 75 1108.
 85 2574.

MAXIMUM BRIGHTNESSES NOT MEASURED

ZONAL CAVITY COEFFICIENTS OF UTILIZATION

EFFECTIVE FLOOR CAVITY REFLECTANCE=.20

CEILING	.80				.70				.50				.30				.10				.00
WALL	.70	.50	.30	.10	.70	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10	.00
RCR																					
0	1.07	1.07	1.07	1.07	.99	.99	.99	.99	.83	.83	.83	.69	.69	.69	.56	.56	.56	.56	.56	.56	.50
1	.93	.87	.81	.76	.85	.79	.74	.70	.66	.62	.58	.53	.51	.48	.42	.40	.38	.38	.38	.38	.32
2	.82	.73	.64	.57	.75	.66	.59	.53	.55	.49	.44	.44	.39	.36	.34	.31	.28	.28	.28	.28	.23
3	.74	.62	.53	.46	.67	.57	.49	.42	.47	.40	.35	.37	.32	.28	.28	.25	.22	.22	.22	.22	.17
4	.67	.54	.45	.37	.61	.49	.41	.34	.40	.34	.28	.32	.27	.23	.24	.21	.17	.17	.17	.17	.13
5	.61	.47	.37	.30	.55	.43	.34	.28	.35	.28	.23	.28	.22	.18	.21	.17	.14	.14	.14	.14	.10
6	.55	.42	.32	.26	.50	.38	.30	.23	.31	.24	.19	.24	.19	.15	.18	.14	.11	.11	.11	.11	.08
7	.51	.37	.28	.22	.46	.34	.26	.20	.28	.21	.16	.22	.17	.13	.16	.12	.09	.09	.09	.09	.06
8	.47	.33	.25	.19	.42	.30	.22	.17	.25	.18	.14	.20	.14	.11	.15	.11	.08	.08	.08	.08	.05
9	.43	.30	.22	.16	.39	.27	.20	.15	.22	.16	.12	.18	.13	.09	.13	.09	.06	.06	.06	.06	.04
10	.40	.27	.19	.14	.37	.25	.18	.13	.20	.14	.10	.16	.11	.08	.12	.08	.05	.05	.05	.05	.03

TESTED IN ACCORDANCE WITH CURRENT IES PROCEDURES

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PREPARED FOR: OCL ORIGINAL CAST LIGHTING INC - ST. LOUIS, MO
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LAMP TYPE : NICHIA LED10-35K OCL BOARDS

ELECTRICAL CHARACTERISTICS 119.99V .5353A 63.9300W

LUMINOUS EFFICACY (LUMENS / WATTS) = 56.3

TESTED IN ACCORDANCE WITH CURRENT IES STANDARDS
UTILIZING ABSOLUTE PHOTOMETRY PER LM-79-08

