

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: METALUX

Report Number: P563359

Luminaire Tested: **VHB-30-W-UNV-L740-CD**

Issue Date: 6/3/2022



Test Information

Test Method: LM-79-08
Report Number: P563359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P364417)
Test Lab: INNOVATION CENTER
Issue Date: 6/3/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: VHB-30-W-UNV-L740-CD
Description: 30000 LUMEN, VHB LED LUMINAIRE WITH, WIDE LENS AND 70CRI, 4000K CCT
LEDS
Light Source: -
Ballast/Driver: -

Summary

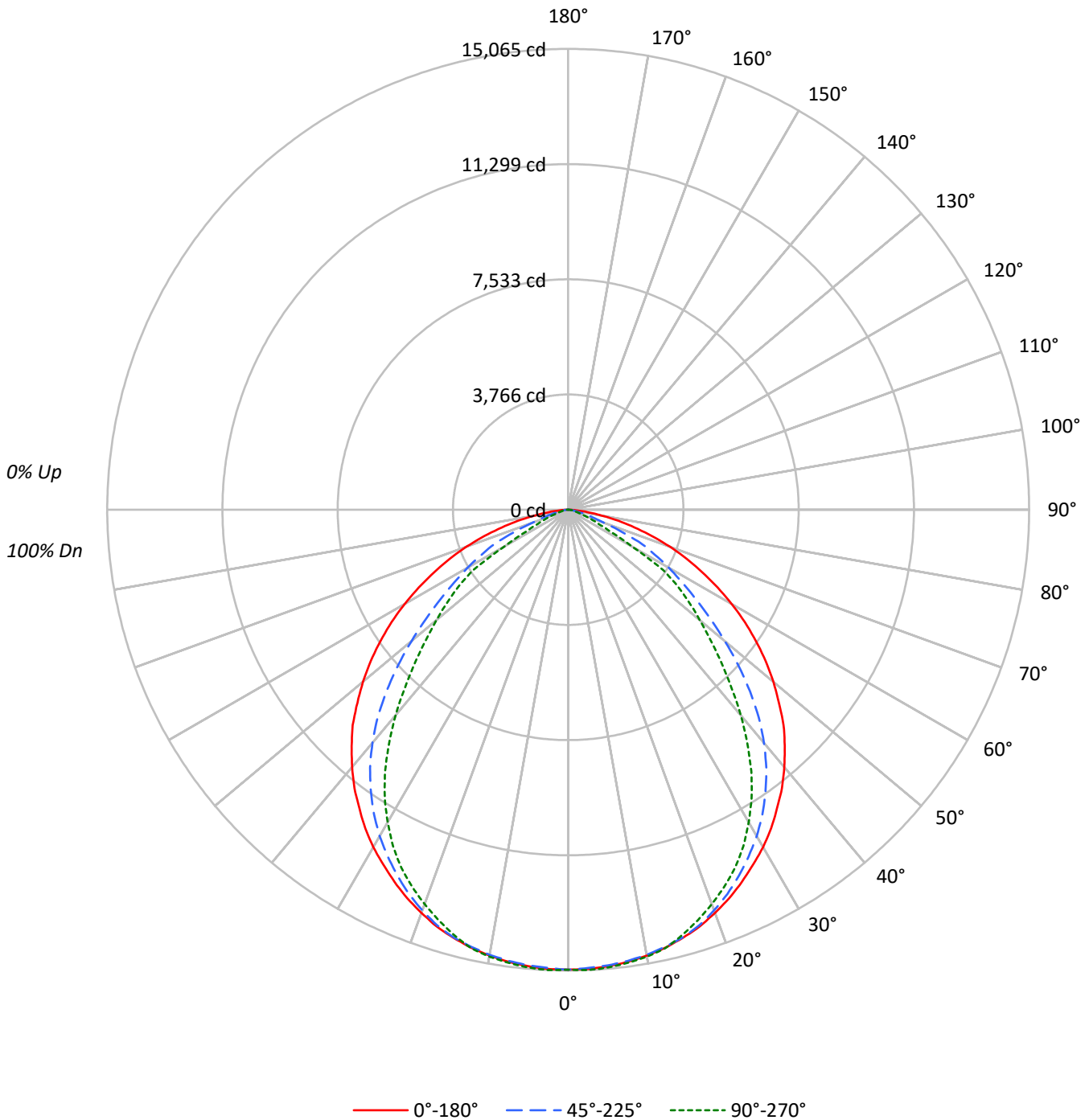
Lumens per Lamp: N/A
Luminaire Lumens: 33823.0 lumens
Efficiency: N/A
Efficacy: 165.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.17 / 1.28
Luminous Opening: Rectangular (W 1.75' x L: 1.58' x H: 0')
CIE Type: Direct

Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59	57
5	80	68	60	54	78	67	59	54	65	58	53	63	57	52	61	56	52	50
6	74	62	53	48	72	61	53	47	59	52	47	57	51	47	56	50	46	44
7	69	56	48	42	67	56	48	42	54	47	42	53	46	42	51	46	41	39
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36
9	60	48	40	34	59	47	39	34	46	39	34	45	39	34	44	38	34	32
10	57	44	36	31	55	43	36	31	42	36	31	42	35	31	41	35	31	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	58418	58418	58418
5°	58427	58308	58576
10°	58406	58280	58520
15°	58267	58207	57906
20°	57986	57627	56727
25°	57557	56578	55337
30°	57138	55273	52910
35°	56457	53336	49472
40°	55713	50469	44513
45°	54700	46157	38893
50°	52893	40410	33976
55°	50734	34424	29659
60°	47928	29525	18935
65°	44409	24628	10038
70°	40084	13996	6505
75°	33674	8574	4047
80°	25591	4329	3541
85°	15547	3936	3196



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1423.7	4.2
10°-20°	4073.2	12.0
20°-30°	6071.7	18.0
30°-40°	6992.6	20.7
40°-50°	6507.7	19.2
50°-60°	4951.9	14.6
60°-70°	2658.1	7.9
70°-80°	977.9	2.9
80°-90°	166.3	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	11568.6	34.2
0°-40°	18561.2	54.9
0°-60°	30020.7	88.8
0°-90°	33823.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33823.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15038	15038	15038	15038	15038	
5°	14983	14940	14952	15004	15021	###
15°	14488	14465	14473	14445	14398	4089
25°	13428	13417	13199	13012	12910	6189
35°	11905	11760	11246	10681	10432	7452
45°	9956	9477	8401	7404	7079	7651
55°	7491	6644	5083	4525	4379	6691
65°	4831	3549	2679	1327	1092	4791
75°	2244	1470	571	296	270	2405
85°	349	113	88	76	72	465
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	15037.6	15037.6	15037.6	15037.6	15037.6
2.5°	15026.9	14981.1	14996.5	15045.2	15065.0
5°	14982.7	14940.0	14952.2	15004.1	15020.9
7.5°	14909.6	14868.5	14877.7	14926.4	14943.2
10°	14806.0	14763.5	14774.1	14821.2	14835.0
12.5°	14665.9	14626.3	14635.5	14669.0	14684.2
15°	14487.7	14464.8	14472.6	14445.0	14397.9
17.5°	14288.3	14254.7	14245.5	14123.7	14073.4
20°	14026.3	14014.1	13939.4	13788.7	13721.6
22.5°	13750.6	13727.6	13598.2	13416.9	13336.2
25°	13427.7	13416.9	13199.3	13011.8	12909.8
27.5°	13080.5	13054.5	12774.2	12539.7	12401.0
30°	12737.6	12673.7	12321.9	11992.9	11795.0
32.5°	12349.3	12228.9	11808.6	11388.2	11159.8
35°	11904.6	11759.8	11246.5	10681.4	10431.6
37.5°	11473.5	11255.7	10637.3	9930.6	9610.8
40°	10986.1	10673.8	9952.0	9131.0	8777.6
42.5°	10472.8	10092.0	9222.4	8267.4	7904.8
45°	9956.4	9476.8	8401.4	7403.8	7079.3
47.5°	9342.6	8834.0	7548.6	6579.8	6301.0
50°	8751.8	8157.8	6686.4	5812.2	5621.7
52.5°	8133.4	7413.0	5848.8	5163.3	4979.0
55°	7490.7	6643.7	5082.6	4525.1	4379.0
57.5°	6844.7	5853.4	4403.3	3944.9	3682.9
60°	6168.6	5068.9	3800.1	3206.1	2437.0
62.5°	5502.9	4252.4	3198.5	2010.5	1550.5
65°	4831.2	3548.8	2679.2	1326.6	1092.0
67.5°	4190.1	2868.1	1911.5	961.0	817.9
70°	3529.0	2345.5	1232.2	688.5	572.7
72.5°	2866.5	1887.1	845.4	452.4	367.0
75°	2243.5	1469.8	571.2	295.5	269.6
77.5°	1681.4	1014.3	318.3	219.2	205.7
80°	1143.9	607.8	193.5	167.5	158.3
82.5°	685.5	290.9	140.2	123.4	118.8
85°	348.8	112.6	88.3	76.1	71.7
87.5°	103.6	56.3	39.5	30.5	29.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)