

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: P730946

Luminaire Tested: **HBLED-LD5-36HE-N-CLI-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730946
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23769)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36HE-N-CLI-UNV-L735
Description: 36000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32770.0 lumens
Efficiency: N/A
Efficacy: 156.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 0.64 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

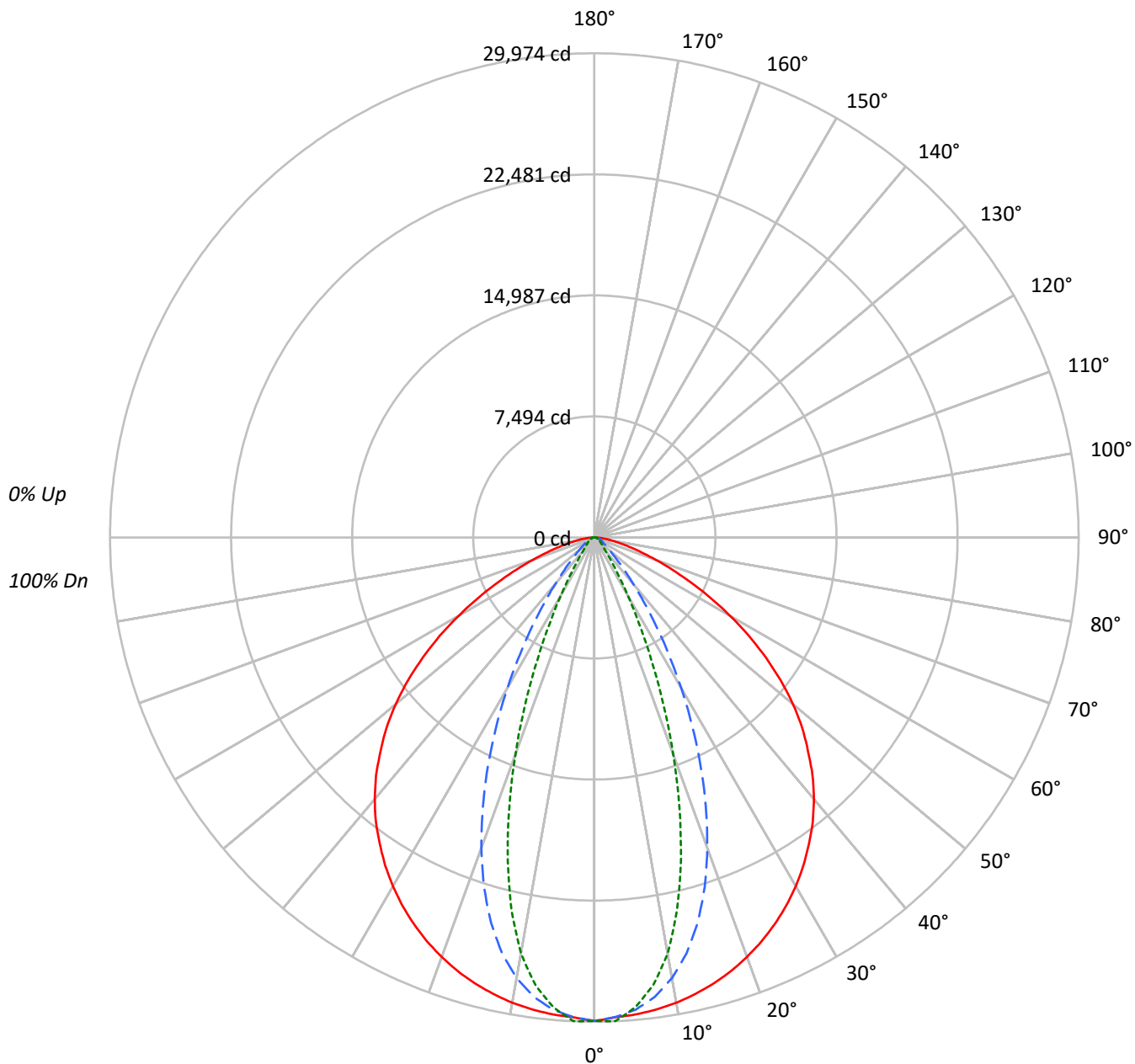
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	108	105	102	109	106	103	101	102	100	98		98	96	95		95
2	105	98	93	89	102	97	92	88	93	89	86		90	87	84		87
3	98	90	84	79	96	88	83	78	86	81	77		83	79	75		81
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	63	84	75	68	63	73	67	62		71	66	62		69
6	81	70	63	58	79	69	62	57	68	62	57		66	61	57		65
7	76	65	58	53	75	64	58	53	63	57	52		62	56	52		60
8	72	61	54	49	70	60	53	49	59	53	48		58	52	48		57
9	68	57	50	45	67	56	50	45	55	49	45		54	49	45		53
10	64	53	47	42	63	53	46	42	52	46	42		51	46	42		50

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	48329	48329	48329
5°	48039	47561	47311
10°	47958	45407	42848
15°	47765	41274	34604
20°	47479	35121	24526
25°	47054	27694	14819
30°	46483	19987	7616
35°	45643	13067	3804
40°	44561	7849	2220
45°	42710	4687	1660
50°	40283	3065	1394
55°	36458	2325	1216
60°	31330	1980	1110
65°	25202	1807	1048
70°	18986	1936	1042
75°	13966	1840	1072
80°	10218	1832	1173
85°	7653	2221	1517



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2756.7	8.4
10°-20°	6858.0	20.9
20°-30°	7596.3	23.2
30°-40°	6085.9	18.6
40°-50°	4344.6	13.3
50°-60°	2790.6	8.5
60°-70°	1512.3	4.6
70°-80°	646.4	2.0
80°-90°	179.3	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°	17210.9	52.5
0°-40°	23296.9	71.1
0°-60°	30432.0	92.9
0°-90°	32770.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32770.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29933	29933	29933	29933	29933	
5°	29640	29750	29345	29252	29190	###
15°	28576	27682	24692	21822	20702	8063
25°	26412	23289	15545	10128	8318	12168
35°	23157	16750	6630	2674	1930	14479
45°	18705	9669	2053	874	727	14417
55°	12952	4323	826	508	432	11542
65°	6596	1775	473	326	274	6606
75°	2239	650	295	205	172	2488
85°	413	172	120	99	82	505
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	29933.0	29933.0	29933.0	29933.0	29933.0
2.5°	29735.9	29922.0	29721.7	29846.2	29973.9
5°	29639.8	29750.2	29344.9	29251.9	29190.5
7.5°	29472.6	29441.1	28679.7	28186.2	27948.0
10°	29251.9	28996.5	27695.8	26611.2	26135.1
12.5°	28936.6	28410.1	26363.6	24459.1	23651.9
15°	28575.6	27681.7	24692.4	21821.6	20702.1
17.5°	28143.5	26830.3	22694.9	18993.2	17515.9
20°	27632.8	25802.4	20440.4	15988.1	14274.3
22.5°	27062.1	24616.8	18026.6	12992.6	11154.4
25°	26412.5	23289.2	15545.2	10128.0	8318.0
27.5°	25711.0	21815.3	13077.8	7567.6	5916.8
30°	24932.1	20219.7	10720.7	5456.6	4085.0
32.5°	24082.3	18523.3	8531.0	3837.4	2793.7
35°	23156.9	16749.7	6629.5	2673.8	1929.7
37.5°	22209.3	14939.7	5007.2	1890.2	1384.3
40°	21141.9	13136.0	3723.9	1384.3	1053.1
42.5°	19995.8	11367.2	2755.9	1065.7	852.9
45°	18704.6	9669.1	2052.8	873.5	726.9
47.5°	17452.8	8086.4	1559.2	744.1	632.2
50°	16037.1	6658.0	1220.3	649.6	554.9
52.5°	14534.6	5401.4	990.1	572.3	488.7
55°	12951.6	4323.0	826.0	507.6	432.0
57.5°	11348.3	3424.3	706.3	452.4	384.7
60°	9702.3	2738.5	613.3	405.1	343.6
62.5°	8095.8	2189.9	536.0	364.2	307.5
65°	6596.5	1775.2	473.0	326.4	274.3
67.5°	5210.5	1403.2	441.5	293.2	247.6
70°	4021.8	1092.6	410.0	261.7	220.7
72.5°	3047.5	838.8	362.7	233.3	195.5
75°	2238.7	649.6	294.9	205.0	171.8
77.5°	1601.8	499.8	239.6	178.1	148.3
80°	1098.9	372.1	197.0	152.9	126.2
82.5°	714.3	263.4	159.2	126.2	104.0
85°	413.1	171.8	119.9	99.3	81.9
87.5°	178.1	94.5	81.9	74.1	63.0
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)