Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P#

Luminaire Tested: **HBLED-LD5-36SE-W-UNV-L750-ED3-U**

Issue Date: 3/3/2020

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

Report Generated By E9911574 / USPTCWHP6081592

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P#
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23760)
Test Lab:	INNOVATION CENTER P2
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	METALUX
Catalog Number:	HBLED-LD5-36SE-W-UNV-L750-ED3-U
Description:	METALUX HIGH BAY LINEAR LED
Light Source:	-
Ballast/Driver:	-

Luminaire Equipment:	Sample No.	Condition	Description

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	37307.0 lumens
Efficiency:	N/A
Efficacy:	160.8 lumens/watt
Spacing Criteria (0/90/45):	1.28 / 1.29 / 1.42
Luminous Opening:	Rectangular (W 2' x L: 4' x H: 0')
CIE Type:	Direct

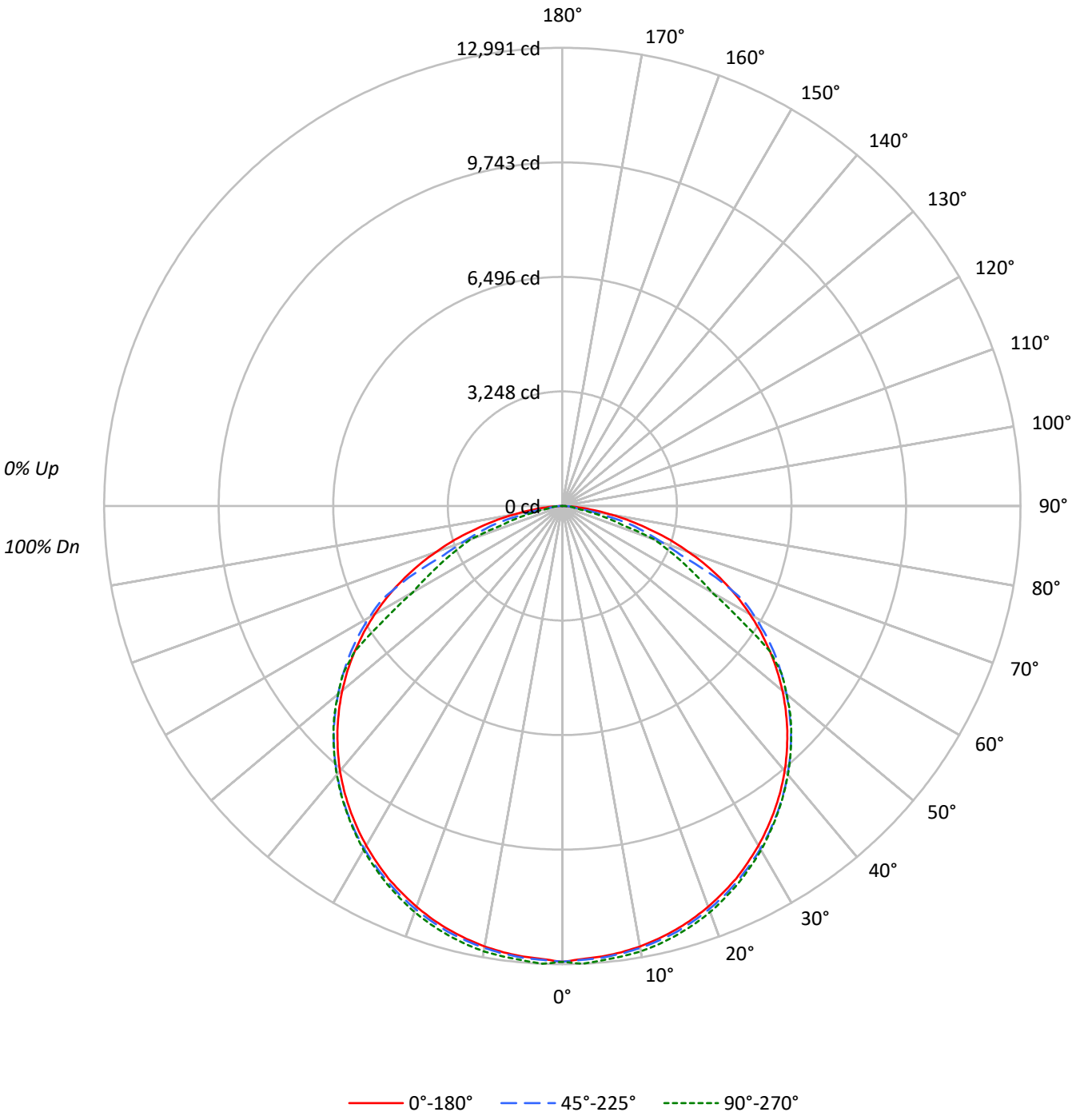
Input Watts (W):	232
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P#
CATALOG NUMBER: HBLED-LD5-36SE-W-UNV-L750-ED3-U

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P#
CATALOG NUMBER: HBLED-LD5-36SE-W-UNV-L750-ED3-U

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	57	53	51
5	76	63	54	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17387	17387	17387
5°	17316	17364	17462
10°	17325	17387	17518
15°	17321	17414	17535
20°	17312	17423	17545
25°	17306	17430	17527
30°	17276	17444	17509
35°	17254	17452	17475
40°	17223	17451	17478
45°	17158	17444	17464
50°	17055	17370	17367
55°	16856	17278	16849
60°	16543	17023	13183
65°	15991	15321	11877
70°	14981	11788	10947
75°	13265	10277	6822
80°	10924	6051	3049
85°	7199	3707	3994

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P#
CATALOG NUMBER: HBLED-LD5-36SE-W-UNV-L750-ED3-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1226.3	3.3
10°-20°	3538.0	9.5
20°-30°	5424.2	14.5
30°-40°	6652.2	17.8
40°-50°	7063.6	18.9
50°-60°	6451.7	17.3
60°-70°	4493.0	12.0
70°-80°	2095.5	5.6
80°-90°	362.5	1.0
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°	10188.5	27.3
0°-40°	16840.7	45.1
0°-60°	30356.0	81.4
0°-90°	37307.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	37307.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12923	12923	12923	12923	12923	
5°	12821	12910	12856	12918	12929	###
15°	12435	12522	12501	12577	12588	3511
25°	11657	11759	11741	11827	11806	5372
35°	10504	10625	10625	10696	10639	6573
45°	9017	9153	9167	9226	9178	6954
55°	7186	7330	7365	7378	7183	6417
65°	5023	5178	4812	3827	3731	4956
75°	2552	2713	1977	1370	1312	2728
85°	466	307	240	257	259	602
90°	0	0	0	0	0	

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P#
CATALOG NUMBER: HBLED-LD5-36SE-W-UNV-L750-ED3-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12922.8	12922.8	12922.8	12922.8	*12922.8*
2.5°	*12854.6*	*12936.7*	*12882.5*	*12941.4*	*12991.0*
5°	12820.6	12910.4	12856.2	12918.2	*12929.0*
7.5°	12764.8	12850.0	12800.4	12868.6	*12885.6*
10°	12681.1	12764.8	12726.0	12806.6	*12822.1*
12.5°	12568.0	12653.2	12623.8	12712.1	*12722.9*
15°	12434.8	12521.5	12501.4	12577.3	*12588.2*
17.5°	12278.3	12368.2	12344.9	12425.5	*12433.2*
20°	12090.8	12188.4	12168.3	12262.8	*12253.5*
22.5°	11880.1	11983.9	11968.4	12062.9	*12035.0*
25°	11657.0	11759.3	11740.7	11827.4	*11805.8*
27.5°	11395.2	11508.3	11491.2	11574.9	*11540.8*
30°	11119.4	11234.1	11227.9	11303.8	*11269.7*
32.5°	10821.9	10944.3	10938.1	11012.5	*10959.8*
35°	10504.3	10625.2	10625.2	10696.4	*10639.1*
37.5°	10168.1	10290.5	10292.1	10360.2	*10306.0*
40°	9805.6	9928.0	9935.7	10000.8	*9951.2*
42.5°	9424.5	9557.7	9563.9	9622.8	*9576.3*
45°	9017.0	9153.3	9167.3	9226.1	*9178.1*
47.5°	8590.9	8728.8	8741.2	8804.7	*8770.7*
50°	8147.8	8281.1	8298.1	8350.8	*8296.6*
52.5°	7679.9	7816.3	7839.5	7872.1	*7847.3*
55°	7185.7	7329.8	7365.4	7377.8	*7182.6*
57.5°	6674.4	6821.6	6855.7	6570.6	*5943.2*
60°	6147.7	6293.3	6325.8	5345.1	*4898.9*
62.5°	5599.2	5741.7	5777.4	4429.5	*4286.9*
65°	5022.9	5177.8	4812.2	3826.8	*3730.7*
67.5°	4431.0	4590.6	3639.3	3279.9	*3222.6*
70°	3808.2	3969.3	2996.4	2796.5	*2782.6*
72.5°	3210.2	3329.5	2458.8	2119.5	*1784.8*
75°	2551.7	2712.8	1976.9	1369.6	*1312.3*
77.5°	1978.5	1710.4	1193.0	1004.0	*791.7*
80°	1409.9	1143.4	780.9	416.8	*393.5*
82.5°	894.0	746.8	306.8	314.5	*328.5*
85°	466.3	306.8	240.1	257.2	*258.7*
87.5°	150.3	131.7	144.1	142.5	*141.0*
90°	0.0	0.0	0.0	0.0	*0.0*

(END OF REPORT)