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

Scaled data based on original data using

LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: METALUX

Report Number: P1213416

Luminaire Tested: 4SNLED-LD5-40SL-UNV-L935-CD1-U

Issue Date: 3/29/2018

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1213416
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27410)
Test Lab:	INNOVATION CENTER-P2
Issue Date:	3/29/2018
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	4SNLED-LD5-40SL-UNV-L935-CD1-U
Description:	4FT LINEAR SNLED LED FIXTURE
	OPEN LED STIP
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3372.0 lumens
Efficiency:	N/A
Efficacy:	120.4 lumens/watt
Spacing Criteria (0/90/45):	1.3 / 1.29 / 1.41
Luminous Opening:	Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type:	Direct

Input Watts (W):	28
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:	24 FT

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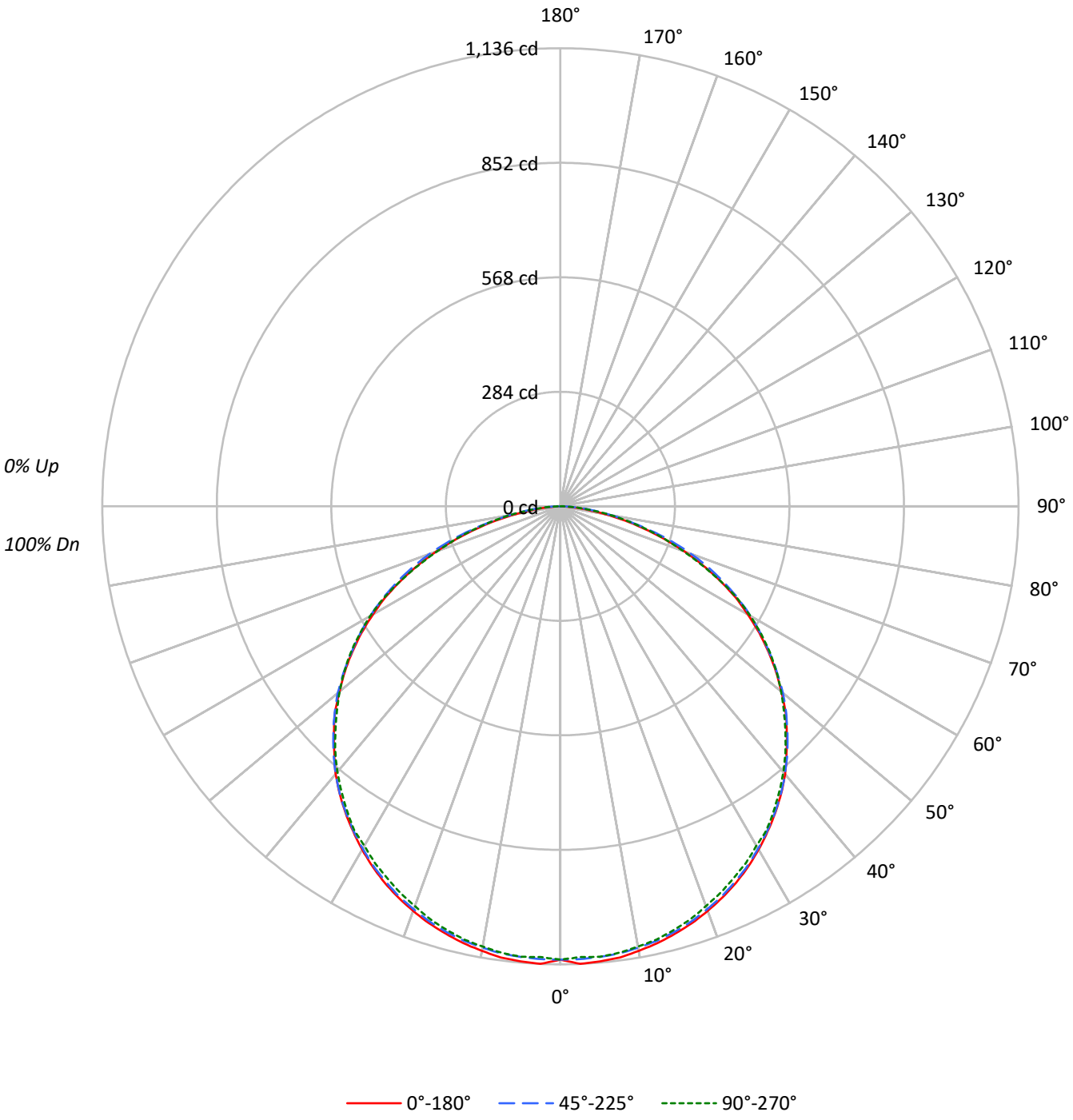
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9084	9084	9084
5°	9166	8877	8807
10°	9137	8682	8534
15°	9107	8487	8267
20°	9080	8279	7982
25°	9055	8070	7716
30°	9012	7846	7454
35°	8967	7613	7203
40°	8912	7364	6902
45°	8800	7068	6556
50°	8666	6747	6205
55°	8499	6317	5827
60°	8226	5879	5332
65°	7824	5311	4637
70°	7130	4563	3759
75°	6056	3482	2890
80°	4526	2293	1895
85°	2336	1116	846

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 8800 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.7	3.2
10°-20°	307.7	9.1
20°-30°	471.0	14.0
30°-40°	577.0	17.1
40°-50°	610.3	18.1
50°-60°	563.4	16.7
60°-70°	434.8	12.9
70°-80°	241.3	7.2
80°-90°	59.8	1.8
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°	885.3	26.3
0°-40°	1462.4	43.4
0°-60°	2636.1	78.2
0°-90°	3372.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3372.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1124	1124	1124	1124	1124	
5°	1133	1118	1122	1119	1121	108
15°	1098	1085	1093	1089	1088	310
25°	1030	1018	1026	1017	1017	475
35°	929	919	927	917	922	581
45°	794	787	796	788	789	613
55°	630	625	632	632	635	563
65°	437	432	449	446	438	431
75°	217	230	231	231	222	230
85°	34	50	52	52	48	46
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*1124.1*	1124.1	1124.1	1124.1	1124.1
2.5°	*1135.8*	*1121.3*	*1124.1*	*1122.4*	*1119.0*
5°	*1133.0*	1118.5	1121.8	1119.0	1121.3
7.5°	*1128.6*	1112.8	1118.5	1114.5	1116.8
10°	*1119.6*	1106.1	1111.7	1107.2	1108.9
12.5°	*1110.0*	1096.0	1103.9	1098.2	1100.5
15°	*1097.7*	1084.8	1092.6	1088.7	1087.6
17.5°	*1084.2*	1071.9	1079.7	1075.2	1073.6
20°	*1067.9*	1056.2	1063.5	1056.7	1055.0
22.5°	*1050.0*	1038.2	1046.6	1037.1	1037.6
25°	*1030.3*	1018.0	1026.4	1017.4	1016.9
27.5°	*1007.9*	996.1	1005.1	995.6	996.7
30°	*983.2*	971.4	980.4	970.9	972.0
32.5°	*956.3*	946.7	954.6	945.6	951.8
35°	*928.8*	918.7	927.1	917.0	922.0
37.5°	*899.0*	889.5	898.5	887.2	891.7
40°	*867.0*	858.6	866.5	856.4	860.3
42.5°	*830.0*	825.0	832.8	822.7	826.1
45°	*794.1*	786.8	796.3	787.9	789.0
47.5°	*758.2*	750.3	759.3	752.0	751.4
50°	*715.0*	712.2	720.6	715.0	714.4
52.5°	*674.0*	668.4	677.4	674.6	676.2
55°	*630.2*	625.2	632.5	631.9	635.3
57.5°	*584.8*	579.7	589.3	588.1	590.9
60°	*536.5*	532.6	544.9	542.1	544.4
62.5°	*489.4*	482.1	497.8	495.5	494.4
65°	*436.6*	432.1	449.0	446.1	437.7
67.5°	*382.2*	380.5	397.9	392.3	378.2
70°	*327.7*	328.9	345.7	335.0	323.2
72.5°	*270.5*	278.9	289.0	281.2	272.7
75°	*216.6*	229.5	231.2	230.6	222.2
77.5°	*163.9*	180.1	176.2	180.1	173.4
80°	*114.5*	132.4	129.6	133.0	127.4
82.5°	*70.7*	87.0	87.5	89.8	84.7
85°	*34.2*	50.5	51.6	52.2	48.3
87.5°	*7.3*	23.6	24.1	22.4	19.6
90°	*0.0*	0.0	0.0	0.0	0.0

(END OF REPORT)