

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: G2-1901-099-11

Luminaire Tested: **4RBG6-SL1-L8SCT3-3000K-MID**

Test Date: 03/14/19



Test Information

Test Method: LM-79-08
Report Number: G2-1901-099-11
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/14/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RBG6-SL1-L8SCT3-3000K-MID
Description: 4FT SELECTABLE RIBBON, MID LUMEN 3000K
Light Source: (420) SEOUL 3000K 80 CRI LEDS
2835
Ballast/Driver: (1) LEEDARSON DRIVER @600mA
RP5-PWIO043C0800M-2

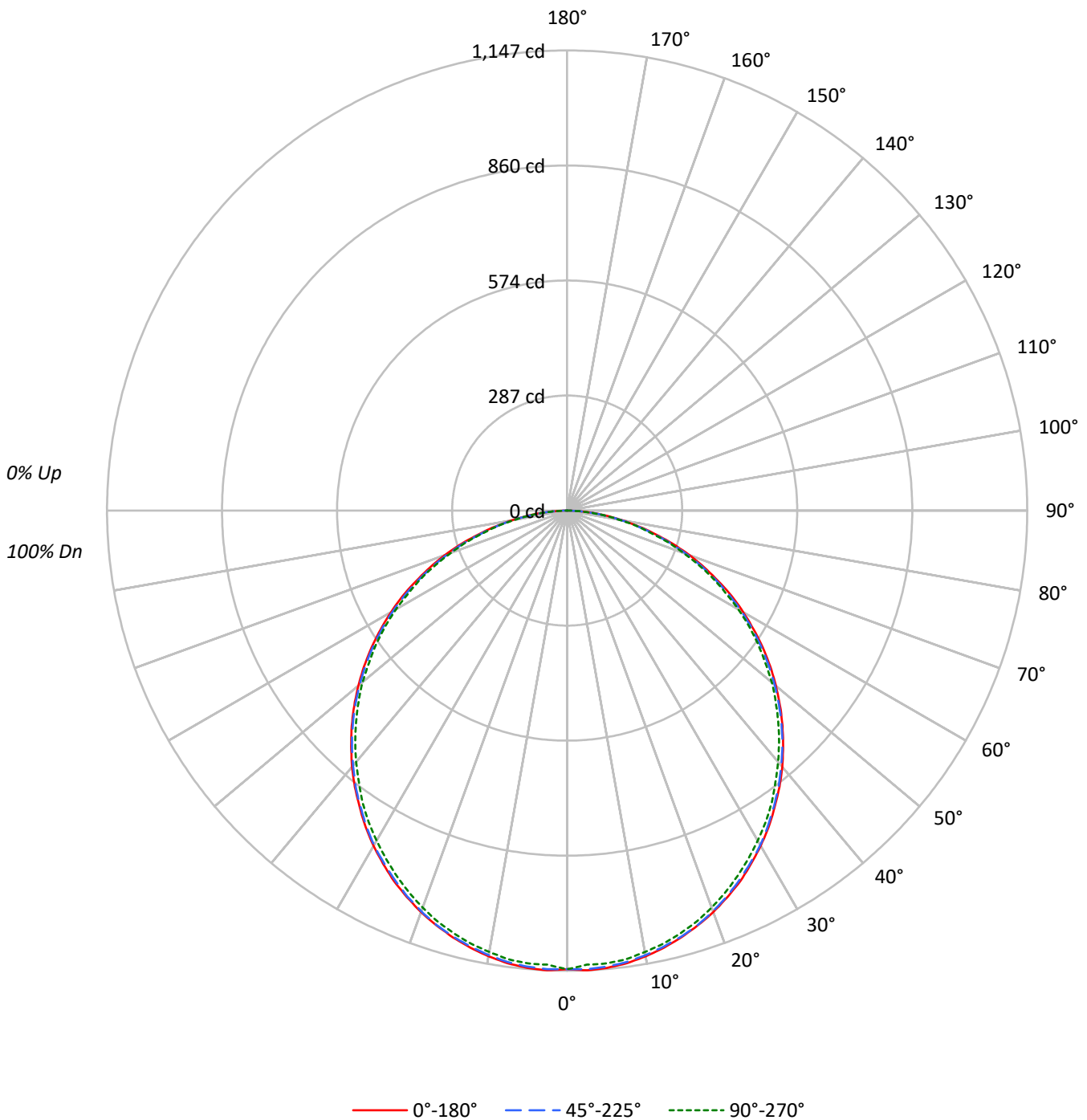
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3258.3 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.37
Luminous Opening: Rectangular (W 0.5' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27.6
Input Voltage (V): 120.0
Input Current (Ain): 0.231
Voltage Rise (V): NR
Power Factor: 0.9964
Total Harmonic Distortion (THDi): 7.83%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 24 HR
Ambient Temperature (°C): 24.9
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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50
5	76	63	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6152	6152	6152
5°	6180	6164	6121
10°	6165	6148	6104
15°	6135	6123	6079
20°	6100	6088	6031
25°	6057	6033	5968
30°	5997	5985	5904
35°	5926	5907	5841
40°	5859	5831	5747
45°	5777	5754	5663
50°	5685	5652	5576
55°	5583	5536	5452
60°	5457	5393	5307
65°	5285	5196	5119
70°	5098	4957	4847
75°	4741	4616	4512
80°	4339	4215	4091
85°	3767	3582	3458



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.2	3.3
10°-20°	309.4	9.5
20°-30°	466.7	14.3
30°-40°	560.2	17.2
40°-50°	580.4	17.8
50°-60°	525.8	16.1
60°-70°	403.9	12.4
70°-80°	236.5	7.3
80°-90°	67.2	2.1
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°	884.2	27.1
0°-40°	1444.5	44.3
0°-60°	2550.6	78.3
0°-90°	3258.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3258.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1143	1143	1143	1143	1143	
5°	1144	1138	1141	1137	1133	109
15°	1101	1095	1099	1096	1091	311
25°	1020	1013	1016	1010	1005	470
35°	902	895	899	892	889	565
45°	759	754	756	749	744	585
55°	595	592	590	584	581	532
65°	415	411	408	404	402	412
75°	228	226	222	219	217	243
85°	61	60	58	56	56	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1143	1143	1143	1143	1143
2.5°	1147	1142	1144	1140	1133
5°	1144	1138	1141	1137	1133
7.5°	1138	1132	1135	1130	1128
10°	1128	1122	1125	1121	1117
12.5°	1116	1110	1113	1109	1106
15°	1101	1095	1099	1096	1091
17.5°	1084	1078	1083	1080	1074
20°	1065	1058	1063	1058	1053
22.5°	1043	1037	1041	1034	1030
25°	1020	1013	1016	1010	1005
27.5°	993	986	990	983	978
30°	965	958	963	954	950
32.5°	935	927	932	925	921
35°	902	895	899	892	889
37.5°	869	862	866	858	853
40°	834	827	830	823	818
42.5°	797	792	794	787	782
45°	759	754	756	749	744
47.5°	720	715	716	709	705
50°	679	675	675	668	666
52.5°	638	633	633	627	622
55°	595	592	590	584	581
57.5°	551	549	546	541	538
60°	507	503	501	496	493
62.5°	463	459	455	451	446
65°	415	411	408	404	402
67.5°	370	365	362	358	356
70°	324	319	315	312	308
72.5°	277	274	269	266	265
75°	228	226	222	219	217
77.5°	183	182	178	175	176
80°	140	139	136	134	132
82.5°	99	99	96	94	94
85°	61	60	58	56	56
87.5°	27	26	24	23	23
90°	0	0	0	0	0

(END OF REPORT)