

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: CORELITE

Report Number: P189593

Luminaire Tested: **BRG-WG-5L30-LD2-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189593  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34883)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: BRG-WG-5L30-LD2-UNV-14-STD  
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND  
RECTANGULAR PERF INLAY  
LIGHT LEVEL 5 (1285 mA)  
Light Source: (308) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

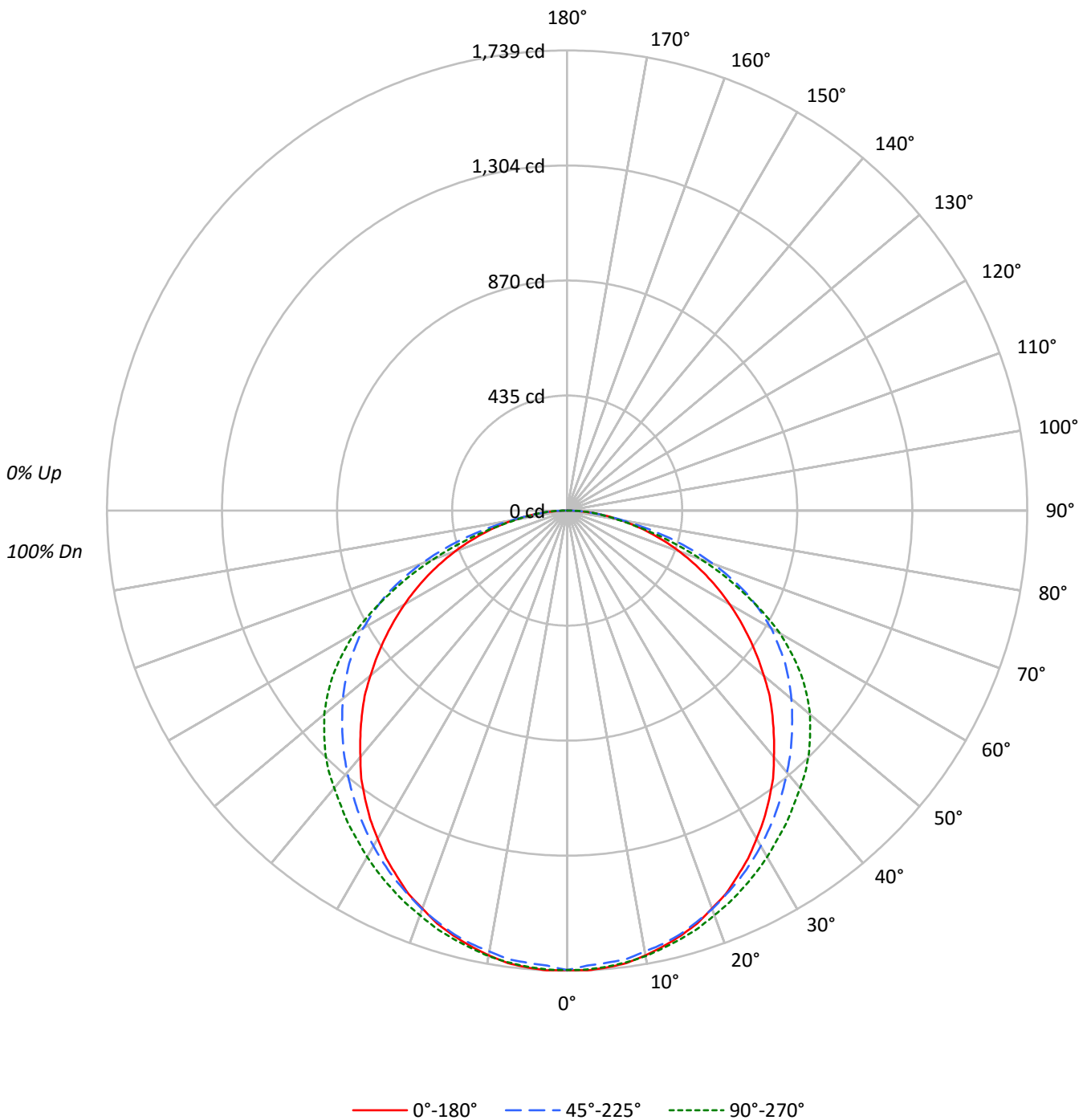
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5229.4 lumens  
Efficiency: N/A  
Efficacy: 83.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.4  
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 62.5  
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	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	53	65	58	52	63	57	51	61	55	51	48
5	75	62	52	46	73	60	52	45	58	51	45	56	50	44	54	49	44	42
6	69	55	46	40	67	54	46	39	53	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	39	34	32
8	59	46	37	31	58	45	37	31	44	36	31	42	35	30	41	35	30	28
9	55	42	33	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25
10	52	39	31	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	5318	5318	5318
5°	5330	5275	5321
10°	5308	5263	5318
15°	5272	5253	5309
20°	5216	5226	5303
25°	5149	5199	5318
30°	5064	5179	5346
35°	4977	5165	5398
40°	4861	5169	5476
45°	4754	5202	5600
50°	4624	5272	5709
55°	4486	5371	5766
60°	4349	5454	5690
65°	4202	5467	5338
70°	4027	5245	4821
75°	3816	4726	4096
80°	3548	3809	3339
85°	3223	3118	3325



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.2	3.1
10°-20°	469.7	9.0
20°-30°	712.6	13.6
30°-40°	867.3	16.6
40°-50°	925.2	17.7
50°-60°	877.5	16.8
60°-70°	700.5	13.4
70°-80°	403.5	7.7
80°-90°	108.9	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°	1346.5	25.7
0°-40°	2213.8	42.3
0°-60°	4016.5	76.8
0°-90°	5229.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5229.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1736	1736	1736	1736	1736	
5°	1733	1730	1716	1730	1730	165
15°	1662	1662	1656	1674	1674	469
25°	1523	1529	1538	1568	1574	702
35°	1331	1346	1381	1429	1443	832
45°	1097	1130	1201	1269	1293	846
55°	840	905	1006	1065	1080	751
65°	580	683	754	748	736	574
75°	322	435	399	361	346	342
85°	92	98	89	92	95	103
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1736.2	1736.2	1736.2	1736.2	1736.2
2.5°	1739.2	1736.2	1721.4	1736.2	1736.2
5°	1733.3	1730.3	1715.5	1730.3	1730.3
7.5°	1724.4	1721.4	1709.6	1721.4	1721.4
10°	1706.6	1703.7	1691.9	1709.6	1709.6
12.5°	1685.9	1685.9	1677.1	1691.9	1691.9
15°	1662.3	1662.3	1656.4	1674.1	1674.1
17.5°	1635.7	1632.7	1629.7	1650.5	1653.4
20°	1600.2	1600.2	1603.1	1623.8	1626.8
22.5°	1567.6	1567.6	1570.6	1597.2	1603.1
25°	1523.3	1529.2	1538.1	1567.6	1573.5
27.5°	1481.9	1484.8	1502.6	1535.1	1544.0
30°	1431.6	1443.4	1464.1	1499.6	1511.4
32.5°	1384.2	1396.1	1422.7	1464.1	1475.9
35°	1331.0	1345.8	1381.3	1428.6	1443.4
37.5°	1277.8	1292.6	1336.9	1390.2	1405.0
40°	1215.7	1242.3	1292.6	1348.8	1369.5
42.5°	1156.5	1186.1	1248.2	1310.3	1334.0
45°	1097.3	1129.9	1200.9	1268.9	1292.6
47.5°	1038.2	1073.7	1153.5	1224.5	1245.2
50°	970.2	1017.5	1106.2	1174.2	1197.9
52.5°	905.1	961.3	1055.9	1124.0	1141.7
55°	840.0	905.1	1005.7	1064.8	1079.6
57.5°	774.9	848.9	946.5	996.8	1005.7
60°	709.9	792.7	890.3	922.8	928.7
62.5°	644.8	739.4	822.3	840.0	837.1
65°	579.7	683.3	754.2	748.3	736.5
67.5°	514.7	624.1	671.4	650.7	641.8
70°	449.6	564.9	585.6	553.1	538.3
72.5°	387.5	502.8	494.0	455.5	440.7
75°	322.4	434.8	399.3	360.9	346.1
77.5°	263.2	360.9	301.7	266.2	257.3
80°	201.1	275.1	215.9	192.3	189.3
82.5°	144.9	183.4	142.0	139.0	139.0
85°	91.7	97.6	88.7	91.7	94.6
87.5°	41.4	44.4	47.3	47.3	50.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)