

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: P189633

Luminaire Tested: **BRG-WN-5L40-LD2-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189633
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34885)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WN-5L40-LD2-UNV-14-STD
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND NANO PRISM INLAY
LIGHT LEVEL 5 (1285 mA)
Light Source: (308) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5756.0 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

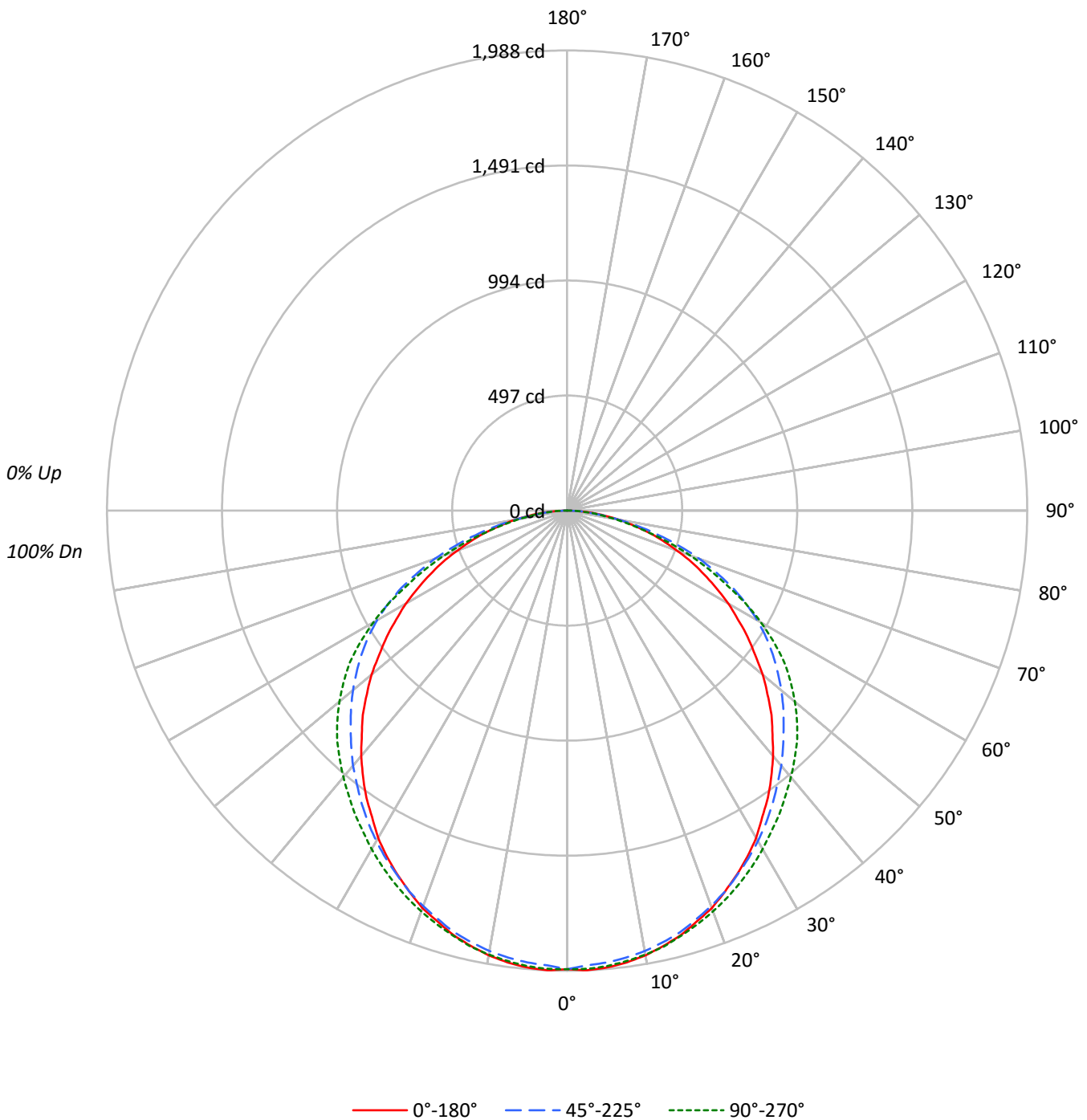
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6070	6070	6070
5°	6093	6027	6074
10°	6068	6010	6058
15°	6020	5981	6030
20°	5957	5927	6007
25°	5864	5875	5989
30°	5777	5832	5974
35°	5658	5785	5981
40°	5533	5755	6014
45°	5407	5727	6087
50°	5257	5757	6124
55°	5085	5793	6122
60°	4928	5815	5928
65°	4735	5718	5517
70°	4499	5437	5050
75°	4303	4851	4303
80°	4022	3969	3643
85°	3683	3142	3142



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.4	3.3
10°-20°	534.7	9.3
20°-30°	806.0	14.0
30°-40°	971.8	16.9
40°-50°	1022.8	17.8
50°-60°	953.1	16.6
60°-70°	743.9	12.9
70°-80°	425.3	7.4
80°-90°	111.1	1.9
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°	1528.1	26.5
0°-40°	2499.9	43.4
0°-60°	4475.7	77.8
0°-90°	5756.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5756.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1982	1982	1982	1982	1982	
5°	1982	1975	1960	1975	1975	188
15°	1898	1895	1886	1904	1901	535
25°	1735	1735	1738	1766	1772	800
35°	1513	1522	1547	1587	1599	945
45°	1248	1273	1322	1384	1405	961
55°	952	1005	1085	1134	1146	851
65°	653	736	789	777	761	647
75°	364	459	410	376	364	383
85°	105	102	89	86	89	116
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1981.5	1981.5	1981.5	1981.5	1981.5
2.5°	1987.7	1984.6	1966.1	1984.6	1981.5
5°	1981.5	1975.4	1959.9	1975.4	1975.4
7.5°	1969.2	1963.0	1947.6	1966.1	1963.0
10°	1950.7	1947.6	1932.2	1947.6	1947.6
12.5°	1926.0	1923.0	1910.6	1926.0	1929.1
15°	1898.3	1895.2	1886.0	1904.5	1901.4
17.5°	1861.3	1861.3	1852.1	1873.7	1873.7
20°	1827.4	1824.4	1818.2	1839.8	1842.8
22.5°	1781.2	1778.1	1781.2	1805.9	1808.9
25°	1735.0	1735.0	1738.1	1765.8	1772.0
27.5°	1685.7	1688.8	1694.9	1725.7	1731.9
30°	1633.3	1636.4	1648.7	1679.5	1688.8
32.5°	1568.6	1580.9	1599.4	1633.3	1642.5
35°	1513.1	1522.3	1547.0	1587.1	1599.4
37.5°	1448.4	1460.7	1491.5	1537.8	1550.1
40°	1383.7	1399.1	1439.1	1485.4	1503.9
42.5°	1312.8	1337.4	1380.6	1433.0	1454.6
45°	1248.1	1272.7	1322.0	1383.7	1405.2
47.5°	1174.1	1204.9	1266.6	1325.1	1346.7
50°	1103.2	1137.1	1208.0	1266.6	1285.1
52.5°	1023.1	1072.4	1146.4	1201.9	1217.3
55°	952.2	1004.6	1084.7	1134.1	1146.4
57.5°	875.2	939.9	1020.0	1057.0	1060.1
60°	804.3	875.2	949.2	967.6	967.6
62.5°	727.3	807.4	872.1	875.2	869.0
65°	653.3	736.5	788.9	776.6	761.2
67.5°	582.4	671.8	696.5	674.9	662.6
70°	502.3	604.0	607.1	573.2	563.9
72.5°	434.5	530.0	508.5	471.5	462.3
75°	363.6	459.2	409.9	376.0	363.6
77.5°	289.7	376.0	317.4	283.5	280.4
80°	228.0	283.5	225.0	203.4	206.5
82.5°	160.2	188.0	147.9	144.8	144.8
85°	104.8	101.7	89.4	86.3	89.4
87.5°	46.2	43.1	40.1	37.0	37.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)