

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: P189566

Luminaire Tested: **BRG-WN-5L35-LD2-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189566
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34865)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WN-5L35-LD2-UNV-22-STD
Description: BRIDGE 2x2 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND NANO PRISM INLAY
LIGHT LEVEL 5 (845 mA)
Light Source: (168) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

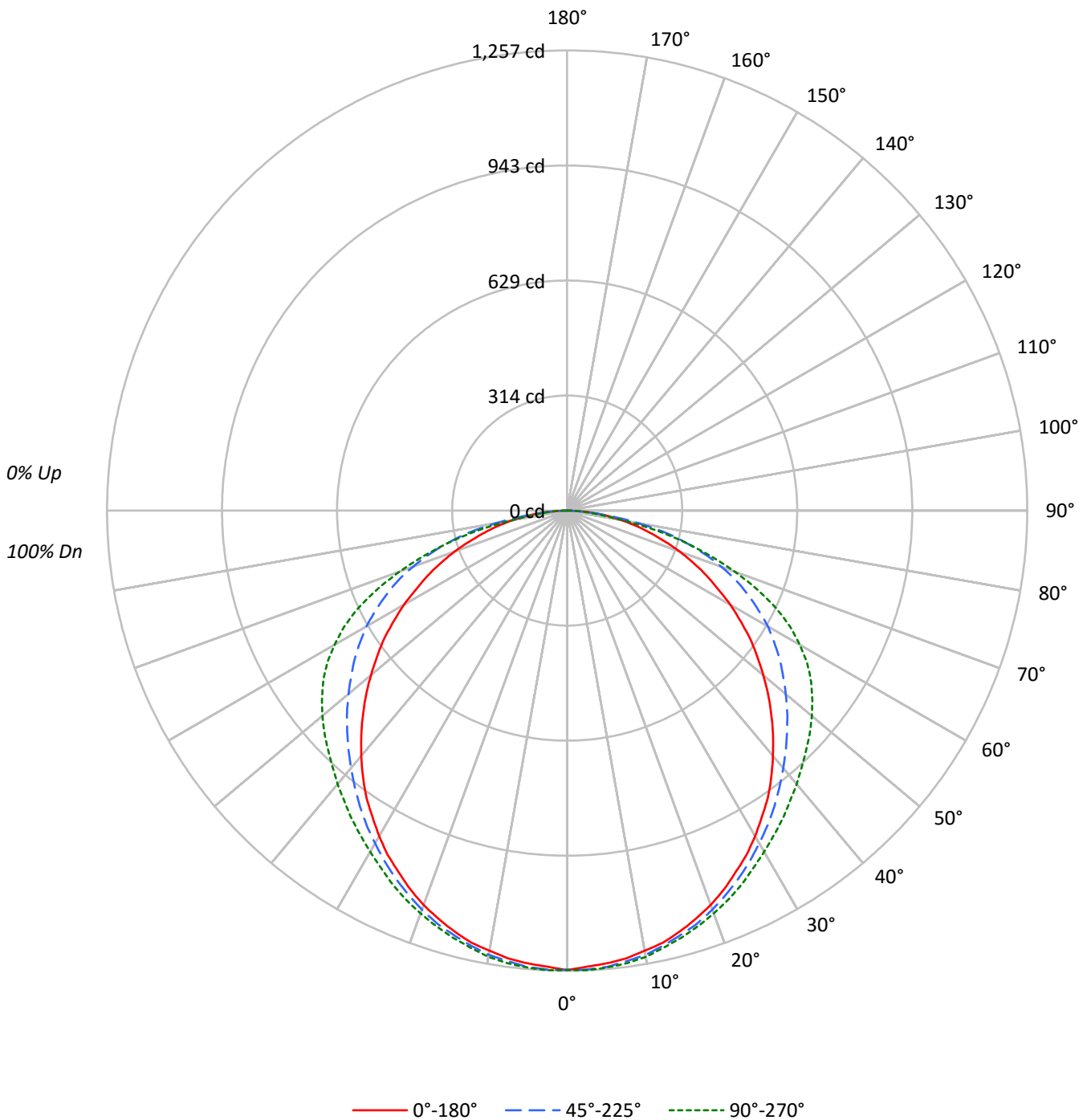
Lumens per Lamp: N/A
Luminaire Lumens: 3818.4 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 39.1
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	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					100			
1	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82					82			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68					68			
3	89	78	69	62	86	76	68	62	73	66	61	70	65	60	68	63	59	56					56			
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	55	50	48					48			
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41					41			
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	38	36					36			
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31					31			
8	59	45	36	31	57	45	36	30	43	36	30	42	35	30	41	34	30	28					28			
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25					25			
10	52	38	30	25	50	38	30	25	37	30	25	36	29	24	35	29	24	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4018	4018	4018
5°	3991	4022	4028
10°	3969	4006	4025
15°	3946	3978	4003
20°	3907	3952	3991
25°	3849	3917	3984
30°	3797	3881	3979
35°	3739	3858	4014
40°	3656	3839	4077
45°	3573	3849	4185
50°	3486	3884	4348
55°	3408	3959	4543
60°	3300	4055	4701
65°	3184	4134	4769
70°	3062	4201	4557
75°	2893	4117	4093
80°	2770	3611	2840
85°	2583	2583	2094



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.6	3.1
10°-20°	338.5	8.9
20°-30°	510.9	13.4
30°-40°	618.8	16.2
40°-50°	659.0	17.3
50°-60°	633.9	16.6
60°-70°	529.2	13.9
70°-80°	326.5	8.6
80°-90°	82.8	2.2
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°	968.1	25.4
0°-40°	1586.9	41.6
0°-60°	2879.8	75.4
0°-90°	3818.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3818.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1255	1255	1255	1255	1255	
5°	1242	1245	1251	1253	1253	118
15°	1190	1194	1200	1205	1207	336
25°	1089	1095	1108	1122	1127	503
35°	956	964	987	1013	1027	597
45°	789	806	850	899	924	609
55°	610	641	709	780	814	544
65°	420	475	546	603	629	415
75°	234	297	333	335	331	249
85°	70	86	70	59	57	78
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1254.8	1254.8	1254.8	1254.8	1254.8
2.5°	1247.2	1249.1	1254.8	1256.7	1256.7
5°	1241.5	1245.3	1251.0	1252.9	1252.9
7.5°	1233.9	1235.8	1241.5	1245.3	1247.2
10°	1220.6	1224.4	1232.0	1235.8	1237.7
12.5°	1209.2	1209.2	1216.8	1222.5	1222.5
15°	1190.2	1194.0	1199.7	1205.4	1207.3
17.5°	1169.2	1173.0	1182.5	1188.3	1190.2
20°	1146.4	1150.2	1159.7	1167.3	1171.1
22.5°	1119.8	1123.6	1135.0	1146.4	1150.2
25°	1089.4	1095.1	1108.4	1121.7	1127.4
27.5°	1060.9	1064.7	1079.9	1095.1	1100.8
30°	1026.7	1032.4	1049.5	1068.5	1076.1
32.5°	990.5	1000.0	1019.0	1041.9	1051.4
35°	956.3	963.9	986.7	1013.3	1026.7
37.5°	916.4	925.9	952.5	984.8	1000.0
40°	874.6	886.0	918.3	954.4	975.3
42.5°	832.7	847.9	884.1	927.8	948.7
45°	789.0	806.1	849.8	899.3	924.0
47.5°	745.3	766.2	815.6	870.8	899.3
50°	699.6	724.4	779.5	842.2	872.7
52.5°	654.0	682.5	743.4	809.9	844.1
55°	610.3	640.7	709.1	779.5	813.7
57.5°	560.9	597.0	671.1	741.5	777.6
60°	515.2	557.1	633.1	701.5	733.9
62.5°	463.9	517.1	589.4	657.8	686.3
65°	420.2	475.3	545.6	602.7	629.3
67.5°	372.6	431.6	500.0	545.6	560.9
70°	327.0	387.8	448.7	479.1	486.7
72.5°	279.5	344.1	393.5	410.7	408.8
75°	233.8	296.6	332.7	334.6	330.8
77.5°	192.0	247.2	271.9	256.7	249.1
80°	150.2	193.9	195.8	171.1	154.0
82.5°	110.3	140.7	125.5	102.7	93.2
85°	70.3	85.6	70.3	58.9	57.0
87.5°	30.4	34.2	26.6	24.7	22.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)