

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: P189581

Luminaire Tested: **BRG-WS-3L35-LD2-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189581
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34878)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WS-3L35-LD2-UNV-14-STD
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE LIGHT LEVEL 3 (865 mA)
Light Source: (308) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4150.1 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.36 / 1.47
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

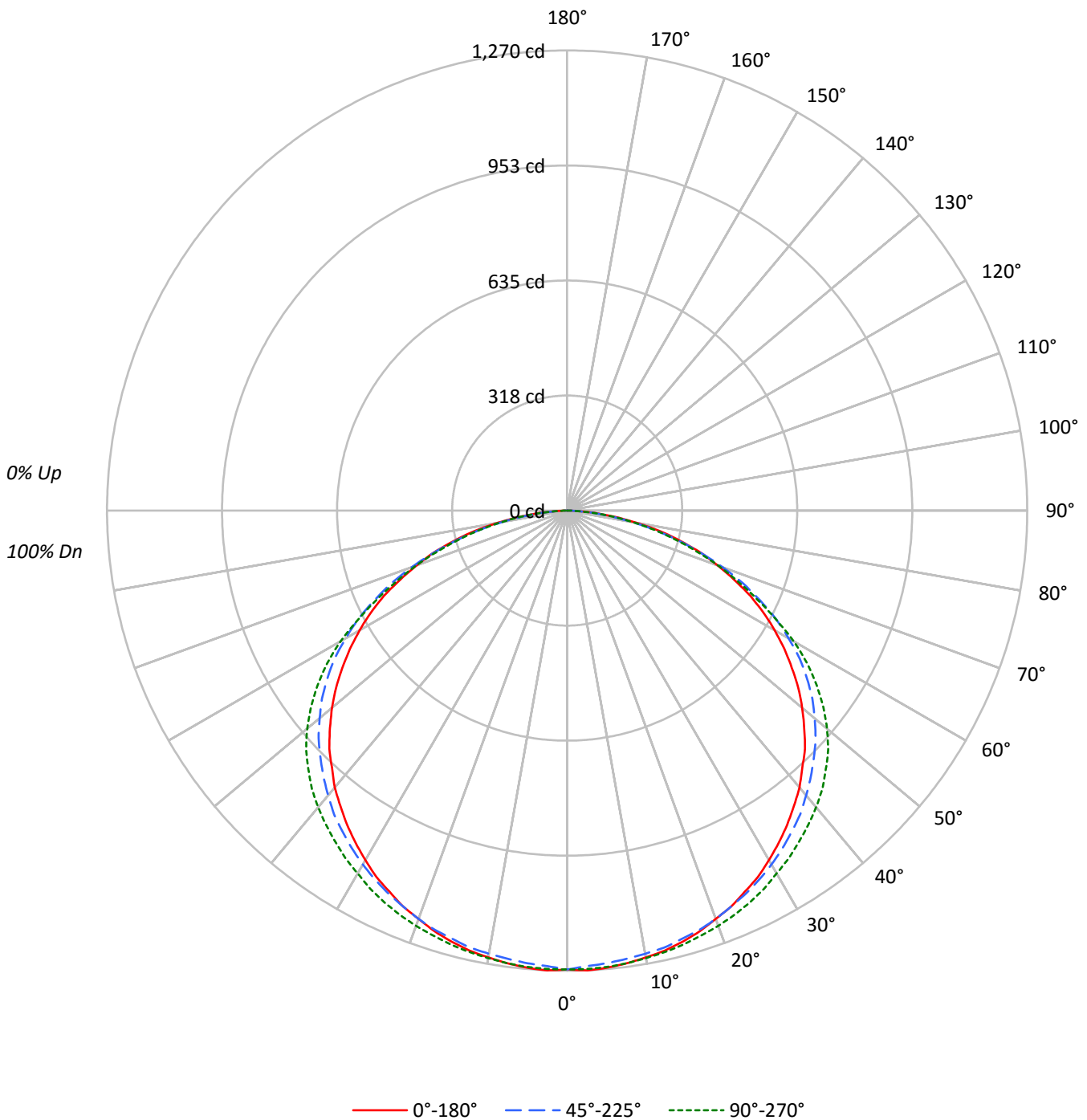
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	60	68	63	59	56
4	81	68	59	52	79	67	59	52	65	57	51	62	56	50	60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	35	30	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	27	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3879	3879	3879
5°	3894	3856	3888
10°	3895	3863	3901
15°	3906	3880	3932
20°	3909	3909	3975
25°	3922	3943	4033
30°	3939	3990	4090
35°	3959	4043	4172
40°	3989	4103	4274
45°	4022	4172	4375
50°	4036	4249	4463
55°	4045	4317	4490
60°	4054	4328	4428
65°	4044	4265	4191
70°	3957	4085	3975
75°	3831	3735	3663
80°	3449	3196	3232
85°	2720	2432	2292



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.1	2.9
10°-20°	348.3	8.4
20°-30°	541.5	13.0
30°-40°	679.7	16.4
40°-50°	745.7	18.0
50°-60°	717.5	17.3
60°-70°	572.2	13.8
70°-80°	339.5	8.2
80°-90°	85.8	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°	1009.8	24.3
0°-40°	1689.5	40.7
0°-60°	3152.6	76.0
0°-90°	4150.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4150.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1266	1266	1266	1266	1266	
5°	1266	1264	1254	1264	1264	120
15°	1232	1230	1224	1238	1240	348
25°	1160	1162	1167	1187	1193	536
35°	1059	1063	1081	1108	1116	663
45°	928	936	963	998	1010	715
55°	757	776	808	833	841	677
65°	558	580	588	580	578	549
75°	324	348	316	310	310	341
85°	77	73	69	65	65	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1266.4	1266.4	1266.4	1266.4	1266.4
2.5°	1270.4	1268.4	1258.2	1268.4	1266.4
5°	1266.4	1264.3	1254.1	1264.3	1264.3
7.5°	1260.3	1258.2	1248.0	1260.3	1260.3
10°	1252.1	1250.1	1241.9	1254.1	1254.1
12.5°	1244.0	1241.9	1235.8	1248.0	1248.0
15°	1231.8	1229.7	1223.6	1237.9	1239.9
17.5°	1217.5	1215.5	1213.4	1229.7	1229.7
20°	1199.2	1199.2	1199.2	1217.5	1219.5
22.5°	1182.9	1182.9	1182.9	1203.2	1207.3
25°	1160.5	1162.5	1166.6	1187.0	1193.1
27.5°	1140.1	1140.1	1148.3	1170.7	1176.8
30°	1113.7	1117.7	1127.9	1150.3	1156.4
32.5°	1087.2	1093.3	1105.5	1130.0	1138.1
35°	1058.7	1062.8	1081.1	1107.6	1115.7
37.5°	1028.2	1034.3	1056.7	1085.2	1093.3
40°	997.6	1003.7	1026.1	1058.7	1068.9
42.5°	961.0	971.2	995.6	1028.2	1042.4
45°	928.4	936.5	963.0	997.6	1009.8
47.5°	887.7	899.9	930.4	963.0	977.3
50°	847.0	861.2	891.7	926.4	936.5
52.5°	804.2	820.5	853.1	881.6	891.7
55°	757.4	775.7	808.3	832.7	840.8
57.5°	710.5	732.9	761.4	777.7	785.9
60°	661.7	682.0	706.5	718.7	722.8
62.5°	610.8	631.1	651.5	649.5	649.5
65°	557.9	580.2	588.4	580.2	578.2
67.5°	498.8	525.3	525.3	511.0	509.0
70°	441.8	468.3	456.1	441.8	443.8
72.5°	386.8	411.3	384.8	372.6	374.6
75°	323.7	348.1	315.6	309.5	309.5
77.5°	262.6	278.9	248.4	244.3	246.4
80°	195.5	209.7	181.2	179.2	183.2
82.5°	132.3	136.4	120.1	122.2	126.2
85°	77.4	73.3	69.2	65.2	65.2
87.5°	28.5	28.5	22.4	20.4	18.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)