

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: P189549

Luminaire Tested: **BRG-WD-6L35-LD2-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34970)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WD-6L35-LD2-UNV-22-STD
Description: BRIDGE 2x2 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND ROUND PERF INLAY
LIGHT LEVEL 6 (975 mA)
Light Source: (168) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

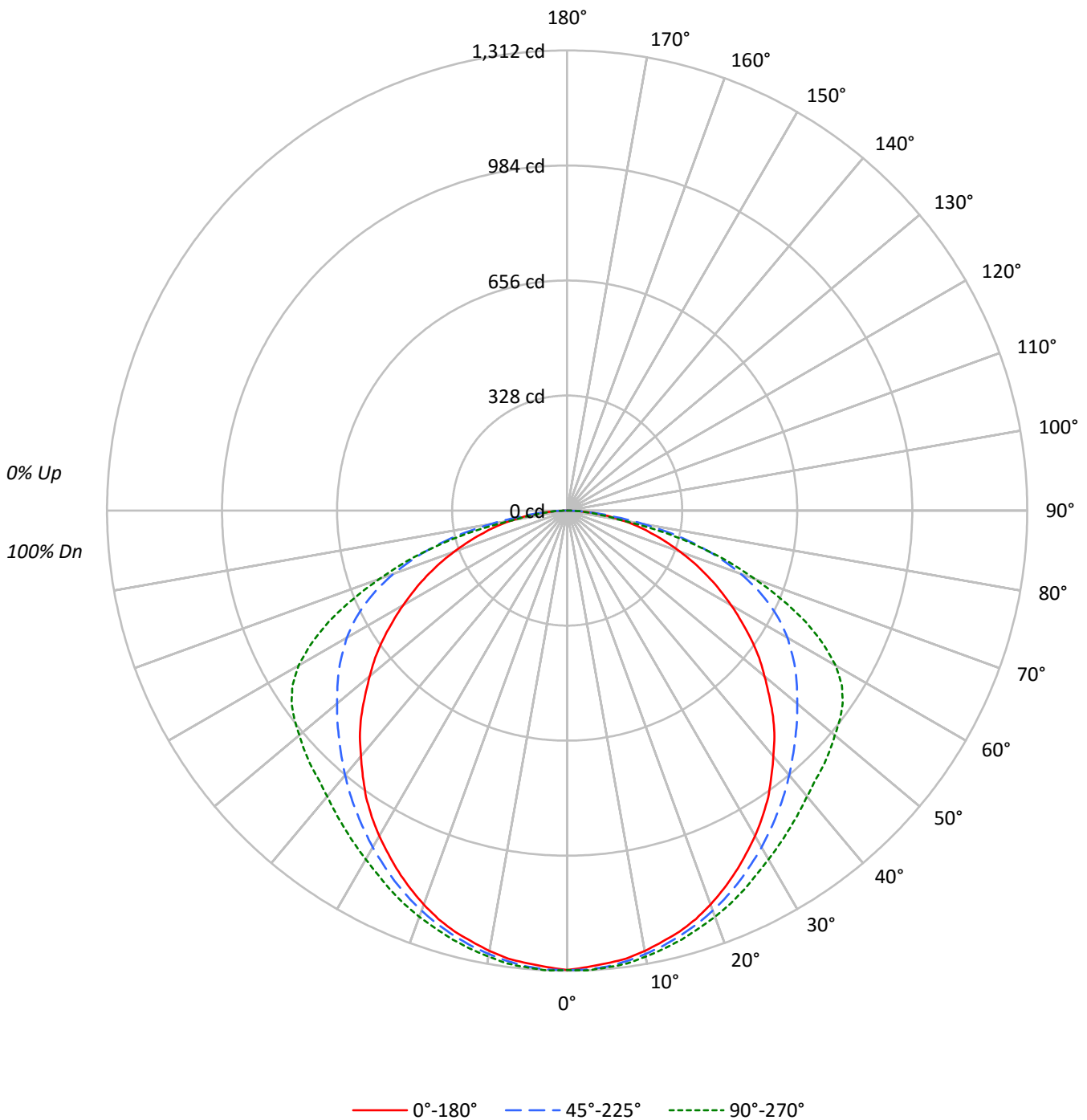
Lumens per Lamp: N/A
Luminaire Lumens: 4168.8 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.42
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 45.7
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



TEST NUMBER: P189549
CATALOG NUMBER: BRG-WD-6L35-LD2-UNV-22-STD

Luminous Intensity Polar Plot





TEST NUMBER: P189549

CATALOG NUMBER: BRG-WD-6L35-LD2-UNV-22-STD

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	98	94	105	101	96	93	96	93	90	92	89	87	89	86	84	82
2	97	89	81	75	95	87	80	74	83	77	73	80	75	71	77	73	69	67
3	88	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56
4	81	68	59	52	78	67	58	51	64	56	50	62	55	50	59	54	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35
7	63	49	40	33	61	48	39	33	47	39	33	45	38	33	44	37	33	30
8	59	45	36	30	57	44	35	30	42	35	29	41	34	29	40	34	29	27
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24
10	51	38	29	24	50	37	29	24	36	29	24	35	28	24	34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4195	4195	4195
5°	4166	4196	4203
10°	4146	4176	4199
15°	4118	4157	4195
20°	4073	4137	4201
25°	4017	4116	4215
30°	3962	4100	4247
35°	3905	4097	4325
40°	3823	4117	4449
45°	3760	4163	4672
50°	3659	4265	4964
55°	3578	4440	5354
60°	3461	4644	5663
65°	3350	4838	5689
70°	3198	4928	5322
75°	3067	4805	4688
80°	2934	4098	2890
85°	2579	2748	2150



TEST NUMBER: P189549

CATALOG NUMBER: BRG-WD-6L35-LD2-UNV-22-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.8	3.0
10°-20°	353.8	8.5
20°-30°	536.9	12.9
30°-40°	657.6	15.8
40°-50°	714.3	17.1
50°-60°	711.5	17.1
60°-70°	609.6	14.6
70°-80°	372.5	8.9
80°-90°	88.7	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°	1014.5	24.3
0°-40°	1672.2	40.1
0°-60°	3098.0	74.3
0°-90°	4168.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4168.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1310	1310	1310	1310	1310	
5°	1296	1300	1305	1308	1308	123
15°	1242	1244	1254	1263	1265	350
25°	1137	1144	1165	1184	1193	524
35°	999	1010	1048	1088	1106	624
45°	830	854	919	992	1032	639
55°	641	690	795	903	959	572
65°	442	524	638	720	751	437
75°	248	342	388	388	379	263
85°	70	94	75	63	58	79
90°	0	0	0	0	0	



TEST NUMBER: P189549

CATALOG NUMBER: BRG-WD-6L35-LD2-UNV-22-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1309.8	1309.8	1309.8	1309.8	1309.8
2.5°	1302.8	1305.2	1309.8	1312.2	1312.2
5°	1295.8	1300.5	1305.2	1307.5	1307.5
7.5°	1288.8	1291.1	1295.8	1300.5	1302.8
10°	1274.8	1277.1	1284.1	1291.1	1291.1
12.5°	1258.4	1263.1	1270.1	1277.1	1279.4
15°	1242.0	1244.3	1253.7	1263.1	1265.4
17.5°	1221.0	1223.3	1235.0	1246.7	1249.0
20°	1195.2	1199.9	1213.9	1225.6	1232.7
22.5°	1167.2	1171.8	1190.5	1206.9	1213.9
25°	1136.8	1143.8	1164.8	1183.5	1192.9
27.5°	1104.0	1113.4	1136.8	1160.1	1169.5
30°	1071.3	1080.6	1108.7	1136.8	1148.4
32.5°	1036.2	1047.9	1078.3	1111.0	1127.4
35°	998.8	1010.4	1047.9	1087.6	1106.3
37.5°	956.6	975.4	1017.5	1064.2	1085.3
40°	914.5	935.6	984.7	1038.5	1064.2
42.5°	874.8	895.8	952.0	1015.1	1045.5
45°	830.3	853.7	919.2	991.7	1031.5
47.5°	781.2	814.0	888.8	970.7	1015.1
50°	734.4	771.9	856.1	949.6	996.4
52.5°	690.0	732.1	825.7	928.6	980.0
55°	640.9	690.0	795.3	902.9	959.0
57.5°	589.4	647.9	760.2	872.4	928.6
60°	540.3	605.8	725.1	835.0	884.1
62.5°	491.2	568.4	685.3	785.9	823.3
65°	442.1	523.9	638.5	720.4	750.8
67.5°	393.0	484.2	587.1	645.6	661.9
70°	341.5	437.4	526.3	561.4	568.4
72.5°	294.7	390.6	460.8	477.2	479.5
75°	247.9	341.5	388.3	388.3	378.9
77.5°	205.8	285.4	308.7	290.0	273.7
80°	159.1	219.9	222.2	180.1	156.7
82.5°	114.6	156.7	138.0	107.6	95.9
85°	70.2	93.6	74.8	63.2	58.5
87.5°	25.7	30.4	25.7	28.1	28.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)