

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: P220152

Luminaire Tested: **Z3-WG-6L35-LD5-UNV-22**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220152  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35858)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: Z3-WG-6L35-LD5-UNV-22  
Description: CLASS Z3 2X2 RECESSED LED LUMIANIRE  
WITH A CLEAR SMOOTH ROUND LENS & RECTANGULAR PERF INLAY  
Light Source: (112) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4154.6 lumens  
Efficiency: N/A  
Efficacy: 104.1 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.34 / 1.41  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

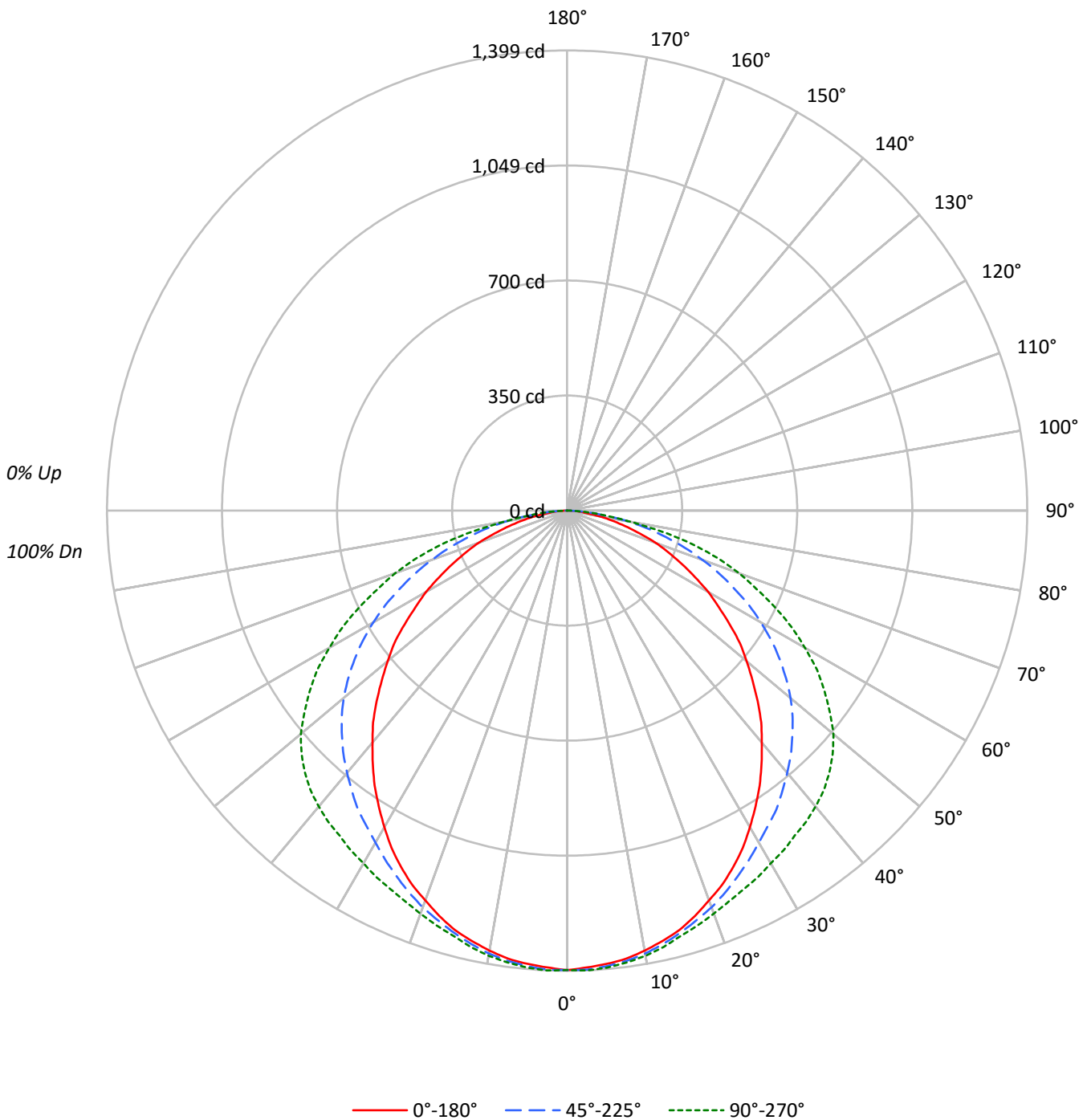
Input Watts (W): 39.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	84	79	74	81	77	73	78	74	71	69
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	46	40	67	55	46	40	53	45	39	51	44	39	49	43	39	36
7	64	50	41	35	62	49	41	35	48	40	35	46	40	34	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	29
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23

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

	0°	45°	90°
0°	3759	3759	3759
5°	3737	3755	3767
10°	3712	3737	3755
15°	3677	3702	3728
20°	3611	3676	3734
25°	3548	3643	3771
30°	3453	3622	3847
35°	3352	3643	3963
40°	3234	3656	4127
45°	3116	3685	4289
50°	2981	3712	4424
55°	2830	3703	4480
60°	2673	3662	4492
65°	2455	3567	4448
70°	2248	3444	4371
75°	1886	3230	4079
80°	1547	2882	2952
85°	1121	1961	1961



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.9	3.2
10°-20°	375.1	9.0
20°-30°	567.5	13.7
30°-40°	695.4	16.7
40°-50°	748.3	18.0
50°-60°	701.4	16.9
60°-70°	546.5	13.2
70°-80°	316.0	7.6
80°-90°	72.6	1.7
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°	1074.5	25.9
0°-40°	1769.9	42.6
0°-60°	3219.5	77.5
0°-90°	4154.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4154.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1397	1397	1397	1397	1397	
5°	1383	1386	1390	1392	1395	131
15°	1320	1320	1329	1338	1338	372
25°	1195	1202	1227	1256	1270	550
35°	1020	1041	1109	1179	1206	637
45°	819	857	968	1082	1127	631
55°	603	669	789	912	955	540
65°	386	451	560	662	698	383
75°	181	236	311	370	392	196
85°	36	54	64	66	64	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1397.0	1397.0	1397.0	1397.0	1397.0
2.5°	1390.2	1392.5	1397.0	1399.3	1399.3
5°	1383.4	1385.6	1390.2	1392.5	1394.7
7.5°	1374.3	1376.6	1381.1	1385.6	1385.6
10°	1358.4	1360.7	1367.5	1372.0	1374.3
12.5°	1340.3	1342.6	1349.4	1353.9	1358.4
15°	1319.9	1319.9	1329.0	1338.0	1338.0
17.5°	1292.7	1297.2	1306.3	1317.6	1322.1
20°	1260.9	1267.7	1283.6	1297.2	1304.0
22.5°	1231.4	1238.2	1256.4	1276.8	1285.9
25°	1195.1	1202.0	1226.9	1256.4	1270.0
27.5°	1156.6	1167.9	1197.4	1240.5	1256.4
30°	1111.2	1124.8	1165.7	1220.1	1238.2
32.5°	1065.9	1084.0	1136.2	1202.0	1224.6
35°	1020.5	1040.9	1109.0	1179.3	1206.5
37.5°	970.6	995.6	1075.0	1158.9	1192.9
40°	920.7	948.0	1040.9	1136.2	1174.7
42.5°	873.1	907.1	1006.9	1109.0	1154.3
45°	818.7	857.2	968.4	1081.8	1127.1
47.5°	764.3	811.9	929.8	1047.7	1095.4
50°	712.1	762.0	886.7	1009.2	1056.8
52.5°	662.2	714.4	839.1	961.6	1006.9
55°	603.2	669.0	789.2	911.7	954.8
57.5°	546.5	612.3	737.0	852.7	900.3
60°	496.7	553.4	680.4	791.5	834.6
62.5°	437.7	498.9	623.7	728.0	771.1
65°	385.5	451.3	560.2	662.2	698.5
67.5°	333.4	390.1	501.2	589.6	623.7
70°	285.7	337.9	437.7	519.3	555.6
72.5°	231.3	285.7	374.2	444.5	478.5
75°	181.4	235.9	310.7	369.7	392.3
77.5°	138.3	186.0	249.5	290.3	294.8
80°	99.8	136.1	186.0	197.3	190.5
82.5°	63.5	93.0	117.9	120.2	120.2
85°	36.3	54.4	63.5	65.8	63.5
87.5°	15.9	20.4	20.4	20.4	20.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)