

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: P219988

Luminaire Tested: **R3-WN-3L30-LD5-UNV-14**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P219988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35872)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: R3-WN-3L30-LD5-UNV-14
Description: CLASS R3 1X4 RECESSED LED LUMIANIRE
WITH A CLEAR SMOOTH ROUND LENS & NANO-PRISM INLAY
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3875.4 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

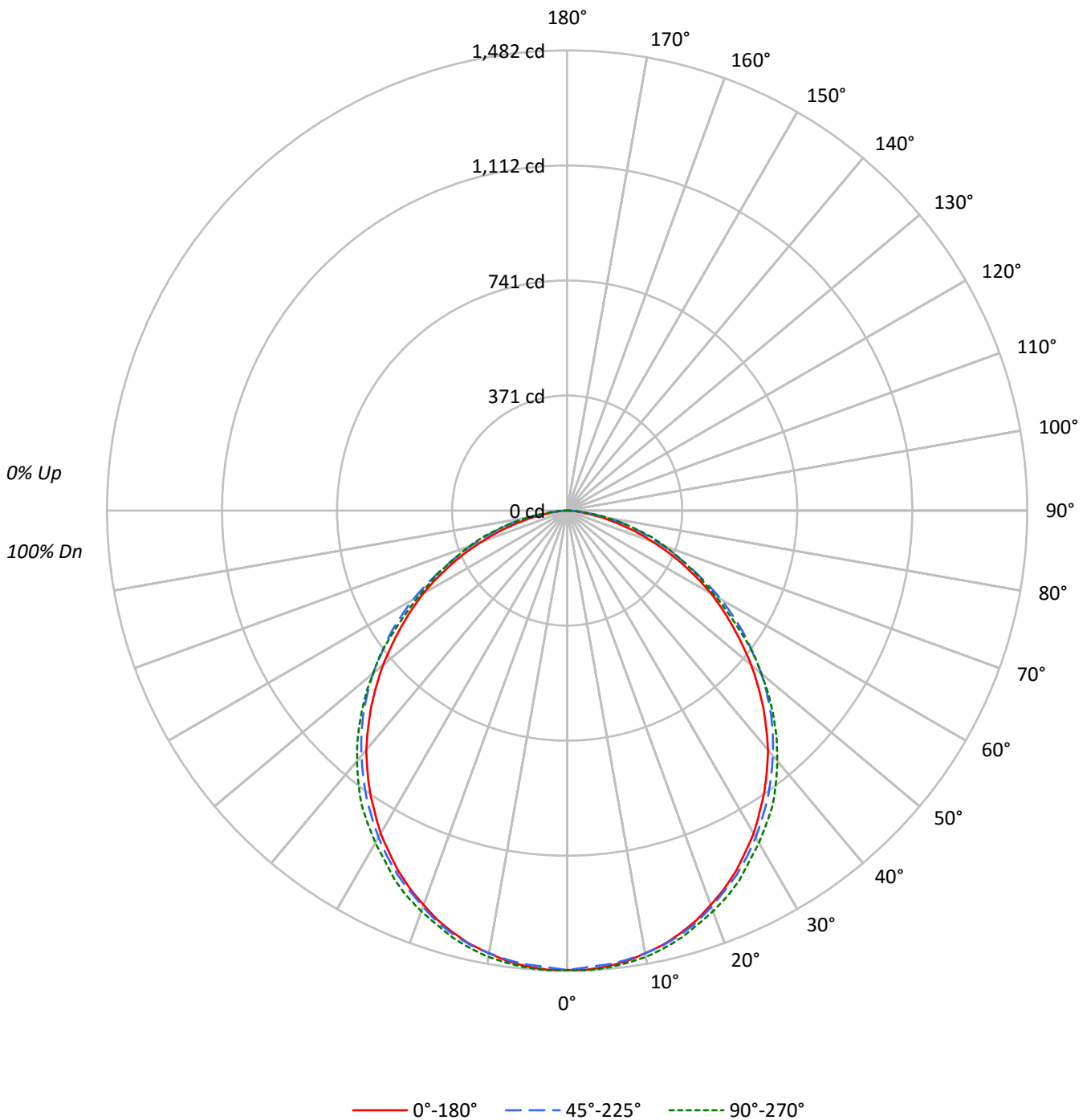
Input Watts (W): 33.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P219988

CATALOG NUMBER: R3-WN-3L30-LD5-UNV-14

Luminous Intensity Polar Plot





TEST NUMBER: P219988

CATALOG NUMBER: R3-WN-3L30-LD5-UNV-14

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	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3982	3982	3982
5°	3981	3965	3992
10°	3956	3956	3989
15°	3927	3938	3966
20°	3870	3887	3933
25°	3810	3840	3900
30°	3732	3776	3838
35°	3636	3702	3794
40°	3536	3621	3698
45°	3396	3533	3579
50°	3240	3417	3417
55°	3058	3274	3208
60°	2882	3087	2968
65°	2630	2809	2783
70°	2287	2571	2619
75°	1897	2335	2356
80°	1398	1957	1957
85°	929	1423	1238



TEST NUMBER: P219988

CATALOG NUMBER: R3-WN-3L30-LD5-UNV-14

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.0	3.6
10°-20°	399.2	10.3
20°-30°	597.0	15.4
30°-40°	705.6	18.2
40°-50°	710.6	18.3
50°-60°	609.1	15.7
60°-70°	431.9	11.1
70°-80°	230.4	5.9
80°-90°	51.5	1.3
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°	1136.1	29.3
0°-40°	1841.8	47.5
0°-60°	3161.5	81.6
0°-90°	3875.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3875.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1480	1480	1480	1480	1480	
5°	1474	1474	1468	1476	1478	140
15°	1410	1412	1414	1422	1424	397
25°	1283	1289	1293	1309	1313	590
35°	1107	1109	1127	1147	1155	692
45°	892	902	928	942	940	687
55°	652	670	698	694	684	584
65°	413	433	441	439	437	408
75°	182	206	225	233	227	197
85°	30	40	46	44	40	39
90°	0	0	0	0	0	



TEST NUMBER: P219988

CATALOG NUMBER: R3-WN-3L30-LD5-UNV-14

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1479.8	1479.8	1479.8	1479.8	1479.8
2.5°	1479.8	1477.8	1471.8	1481.8	1481.8
5°	1473.8	1473.8	1467.8	1475.8	1477.8
7.5°	1463.8	1463.8	1459.8	1469.8	1469.8
10°	1447.7	1449.7	1447.7	1457.8	1459.8
12.5°	1431.7	1433.7	1433.7	1441.7	1443.7
15°	1409.6	1411.6	1413.6	1421.7	1423.7
17.5°	1383.6	1387.6	1389.6	1397.6	1397.6
20°	1351.5	1357.5	1357.5	1371.5	1373.5
22.5°	1319.4	1323.4	1325.4	1341.5	1345.5
25°	1283.3	1289.3	1293.3	1309.4	1313.4
27.5°	1241.2	1247.2	1255.2	1273.3	1271.3
30°	1201.1	1203.1	1215.1	1233.2	1235.2
32.5°	1153.0	1159.0	1171.0	1191.1	1195.1
35°	1106.9	1108.9	1126.9	1147.0	1155.0
37.5°	1056.7	1062.7	1078.8	1100.8	1104.8
40°	1006.6	1010.6	1030.7	1054.7	1052.7
42.5°	948.4	956.5	980.5	998.6	998.6
45°	892.3	902.3	928.4	942.4	940.4
47.5°	832.1	846.2	872.2	884.3	880.3
50°	774.0	788.0	816.1	822.1	816.1
52.5°	711.8	729.9	753.9	755.9	755.9
55°	651.7	669.7	697.8	693.8	683.8
57.5°	593.5	611.6	633.6	625.6	615.6
60°	535.4	551.4	573.5	557.4	551.4
62.5°	473.2	495.3	505.3	497.3	493.3
65°	413.1	433.1	441.1	439.1	437.1
67.5°	352.9	377.0	381.0	383.0	383.0
70°	290.7	318.8	326.8	332.9	332.9
72.5°	238.6	262.7	272.7	282.7	284.7
75°	182.5	206.5	224.6	232.6	226.6
77.5°	136.4	154.4	178.5	176.5	176.5
80°	90.2	110.3	126.3	130.3	126.3
82.5°	56.1	74.2	82.2	82.2	80.2
85°	30.1	40.1	46.1	44.1	40.1
87.5°	12.0	14.0	14.0	10.0	8.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)