

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: P219962

Luminaire Tested: **R3-WG-5L30-LD5-UNV-14**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P219962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35870)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: R3-WG-5L30-LD5-UNV-14
Description: CLASS R3 1X4 RECESSED LED LUMIANIRE
WITH A CLEAR SMOOTH ROUND LENS & RECTANGULAR PERF INLAY
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5430.6 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

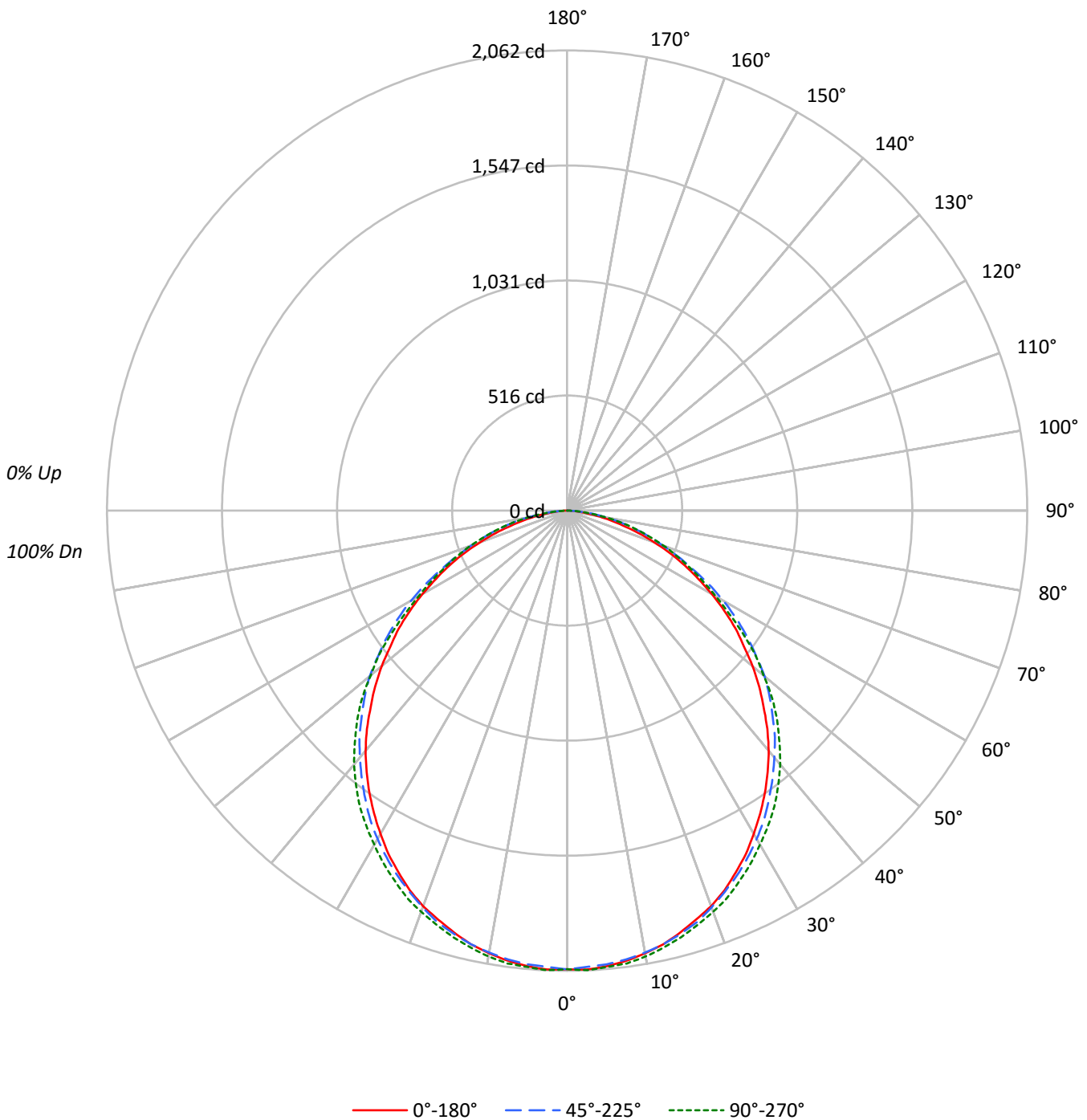
Input Watts (W): 54
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P219962

CATALOG NUMBER: R3-WG-5L30-LD5-UNV-14

Luminous Intensity Polar Plot





TEST NUMBER: P219962

CATALOG NUMBER: R3-WG-5L30-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	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	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	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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	30	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5532	5532	5532
5°	5536	5512	5545
10°	5503	5495	5544
15°	5453	5470	5511
20°	5402	5419	5478
25°	5309	5354	5433
30°	5197	5280	5372
35°	5074	5182	5318
40°	4936	5071	5217
45°	4736	4951	5065
50°	4539	4837	4813
55°	4320	4613	4515
60°	4029	4349	4141
65°	3707	3953	3859
70°	3272	3576	3622
75°	2687	3243	3274
80°	2117	2762	2762
85°	1467	2019	1834



TEST NUMBER: P219962

CATALOG NUMBER: R3-WG-5L30-LD5-UNV-14

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.6	3.6
10°-20°	555.1	10.2
20°-30°	833.1	15.3
30°-40°	988.1	18.2
40°-50°	998.8	18.4
50°-60°	858.7	15.8
60°-70°	606.0	11.2
70°-80°	323.0	5.9
80°-90°	73.2	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°	1582.8	29.1
0°-40°	2570.9	47.3
0°-60°	4428.4	81.5
0°-90°	5430.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5430.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2056	2056	2056	2056	2056	
5°	2050	2047	2041	2053	2053	194
15°	1958	1964	1964	1978	1978	552
25°	1788	1794	1803	1830	1830	824
35°	1545	1556	1577	1610	1619	966
45°	1245	1265	1301	1325	1331	962
55°	921	948	983	980	962	820
65°	582	612	621	615	606	575
75°	258	294	312	324	315	281
85°	48	56	65	59	59	60
90°	0	0	0	0	0	



TEST NUMBER: P219962

CATALOG NUMBER: R3-WG-5L30-LD5-UNV-14

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2055.6	2055.6	2055.6	2055.6	2055.6
2.5°	2058.5	2055.6	2046.7	2058.5	2061.5
5°	2049.6	2046.7	2040.7	2052.6	2052.6
7.5°	2034.8	2034.8	2028.8	2043.7	2046.7
10°	2014.0	2014.0	2011.0	2025.9	2028.8
12.5°	1990.2	1993.2	1990.2	2005.1	2005.1
15°	1957.5	1963.5	1963.5	1978.3	1978.3
17.5°	1921.9	1927.8	1933.8	1945.7	1945.7
20°	1886.3	1886.3	1892.2	1910.0	1913.0
22.5°	1841.7	1844.7	1847.6	1871.4	1877.3
25°	1788.2	1794.2	1803.1	1829.8	1829.8
27.5°	1734.8	1743.7	1752.6	1779.3	1782.3
30°	1672.4	1681.3	1699.1	1722.9	1728.8
32.5°	1610.0	1618.9	1642.7	1666.4	1675.3
35°	1544.6	1556.5	1577.3	1610.0	1618.9
37.5°	1476.3	1485.2	1512.0	1547.6	1553.6
40°	1405.0	1413.9	1443.7	1476.3	1485.2
42.5°	1327.8	1339.7	1378.3	1408.0	1408.0
45°	1244.6	1265.4	1301.1	1324.8	1330.8
47.5°	1167.4	1182.3	1229.8	1250.6	1247.6
50°	1084.2	1105.0	1155.5	1161.5	1149.6
52.5°	998.1	1024.8	1066.4	1072.3	1063.4
55°	920.8	947.6	983.2	980.3	962.4
57.5°	834.7	864.4	897.1	879.3	861.4
60°	748.6	778.3	808.0	781.2	769.4
62.5°	662.4	695.1	715.9	689.2	686.2
65°	582.2	611.9	620.8	614.9	606.0
67.5°	499.0	531.7	537.7	534.7	531.7
70°	415.9	451.5	454.5	460.4	460.4
72.5°	335.7	371.3	383.2	392.1	386.2
75°	258.4	294.1	311.9	323.8	314.9
77.5°	196.1	222.8	246.5	246.5	246.5
80°	136.6	160.4	178.2	181.2	178.2
82.5°	86.1	104.0	118.8	112.9	112.9
85°	47.5	56.4	65.4	59.4	59.4
87.5°	17.8	20.8	17.8	14.9	11.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)