

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: P219967

Luminaire Tested: **R3-WG-5L35-LD5-UNV-14**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P219967
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-5L35-LD5-UNV-14
Description: CLASS R3 1X4 RECESSED LED LUMIANIRE
WITH A CLEAR SMOOTH ROUND LENS & RECTANGULAR PERF INLAY
Light Source: (168) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5492.2 lumens
Efficiency: N/A
Efficacy: 101.7 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

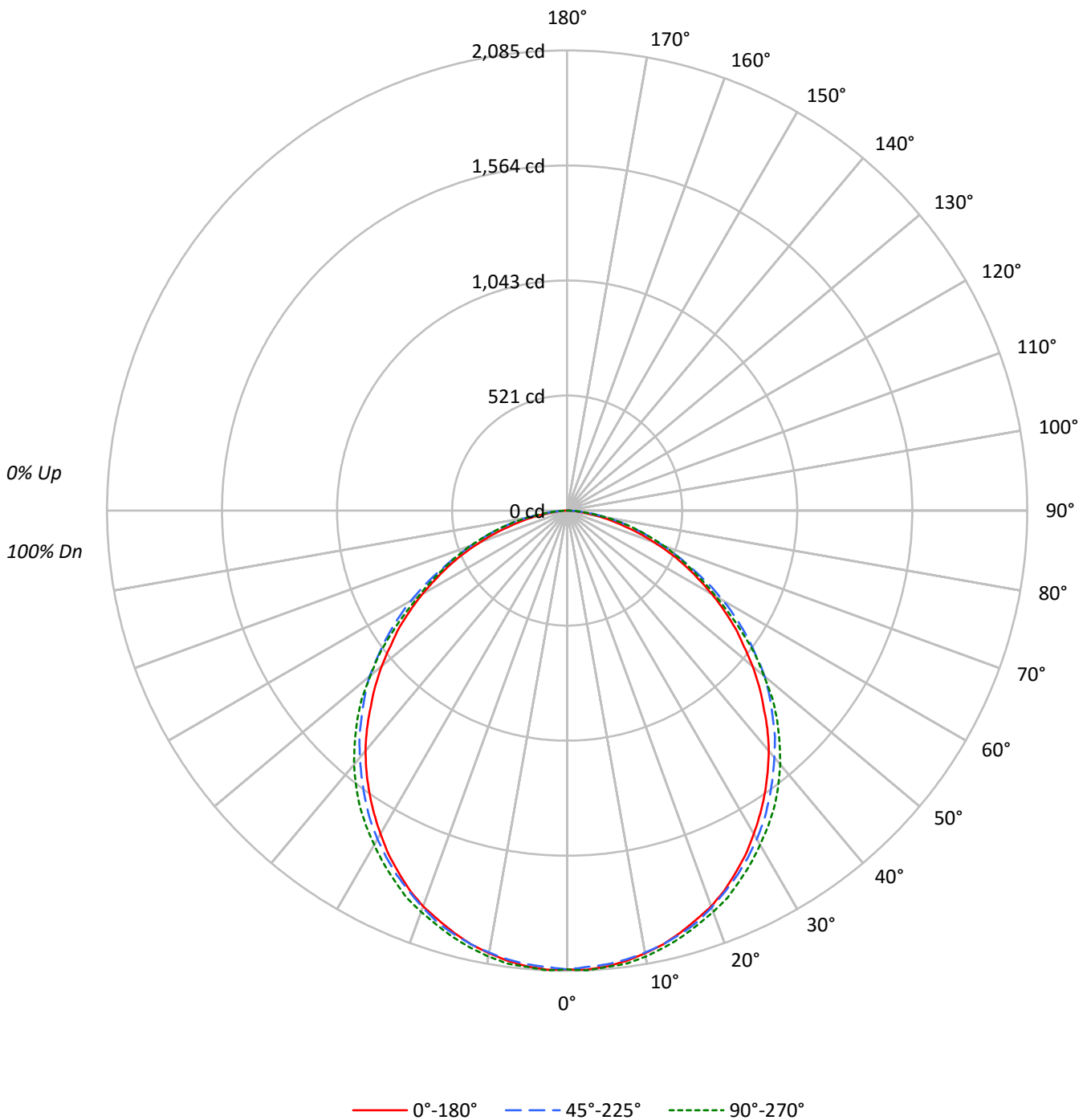
Input Watts (W): 54
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	5594	5594	5594
5°	5599	5575	5608
10°	5566	5557	5607
15°	5516	5532	5574
20°	5463	5480	5540
25°	5370	5414	5495
30°	5256	5340	5433
35°	5132	5240	5379
40°	4992	5129	5277
45°	4791	5007	5122
50°	4590	4892	4867
55°	4369	4665	4567
60°	4075	4398	4188
65°	3749	3998	3903
70°	3309	3616	3663
75°	2718	3279	3310
80°	2142	2794	2794
85°	1485	2041	1856



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.8	3.6
10°-20°	561.4	10.2
20°-30°	842.6	15.3
30°-40°	999.4	18.2
40°-50°	1010.1	18.4
50°-60°	868.5	15.8
60°-70°	612.8	11.2
70°-80°	326.7	5.9
80°-90°	74.0	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°	1600.7	29.1
0°-40°	2600.1	47.3
0°-60°	4478.7	81.5
0°-90°	5492.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5492.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2079	2079	2079	2079	2079	
5°	2073	2070	2064	2076	2076	197
15°	1980	1986	1986	2001	2001	559
25°	1808	1814	1824	1851	1851	833
35°	1562	1574	1595	1628	1637	977
45°	1259	1280	1316	1340	1346	973
55°	931	958	994	991	973	830
65°	589	619	628	622	613	582
75°	261	297	315	328	318	284
85°	48	57	66	60	60	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2078.9	2078.9	2078.9	2078.9	2078.9
2.5°	2081.9	2078.9	2069.9	2081.9	2084.9
5°	2072.9	2069.9	2063.9	2075.9	2075.9
7.5°	2057.9	2057.9	2051.9	2066.9	2069.9
10°	2036.8	2036.8	2033.8	2048.9	2051.9
12.5°	2012.8	2015.8	2012.8	2027.8	2027.8
15°	1979.8	1985.8	1985.8	2000.8	2000.8
17.5°	1943.7	1949.7	1955.7	1967.7	1967.7
20°	1907.7	1907.7	1913.7	1931.7	1934.7
22.5°	1862.6	1865.6	1868.6	1892.6	1898.6
25°	1808.5	1814.5	1823.5	1850.6	1850.6
27.5°	1754.4	1763.5	1772.5	1799.5	1802.5
30°	1691.4	1700.4	1718.4	1742.4	1748.4
32.5°	1628.3	1637.3	1661.3	1685.3	1694.4
35°	1562.2	1574.2	1595.2	1628.3	1637.3
37.5°	1493.1	1502.1	1529.1	1565.2	1571.2
40°	1421.0	1430.0	1460.0	1493.1	1502.1
42.5°	1342.9	1354.9	1393.9	1424.0	1424.0
45°	1258.8	1279.8	1315.8	1339.9	1345.9
47.5°	1180.6	1195.7	1243.7	1264.8	1261.8
50°	1096.5	1117.6	1168.6	1174.6	1162.6
52.5°	1009.4	1036.4	1078.5	1084.5	1075.5
55°	931.3	958.3	994.4	991.4	973.4
57.5°	844.2	874.2	907.3	889.2	871.2
60°	757.1	787.1	817.1	790.1	778.1
62.5°	669.9	703.0	724.0	697.0	694.0
65°	588.8	618.9	627.9	621.9	612.9
67.5°	504.7	537.7	543.8	540.8	537.7
70°	420.6	456.6	459.6	465.6	465.6
72.5°	339.5	375.5	387.5	396.6	390.5
75°	261.4	297.4	315.4	327.5	318.4
77.5°	198.3	225.3	249.3	249.3	249.3
80°	138.2	162.2	180.3	183.3	180.3
82.5°	87.1	105.1	120.2	114.2	114.2
85°	48.1	57.1	66.1	60.1	60.1
87.5°	18.0	21.0	18.0	15.0	12.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)