

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: P220079

Luminaire Tested: **R3-WG-1L35-LD5-UNV-22**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220079
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35854)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: R3-WG-1L35-LD5-UNV-22
Description: CLASS R3 2X2 RECESSED LED LUMIANIRE
WITH A CLEAR SMOOTH ROUND LENS & RECTANGULAR PERF INLAY
Light Source: (84) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1925.6 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.33 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

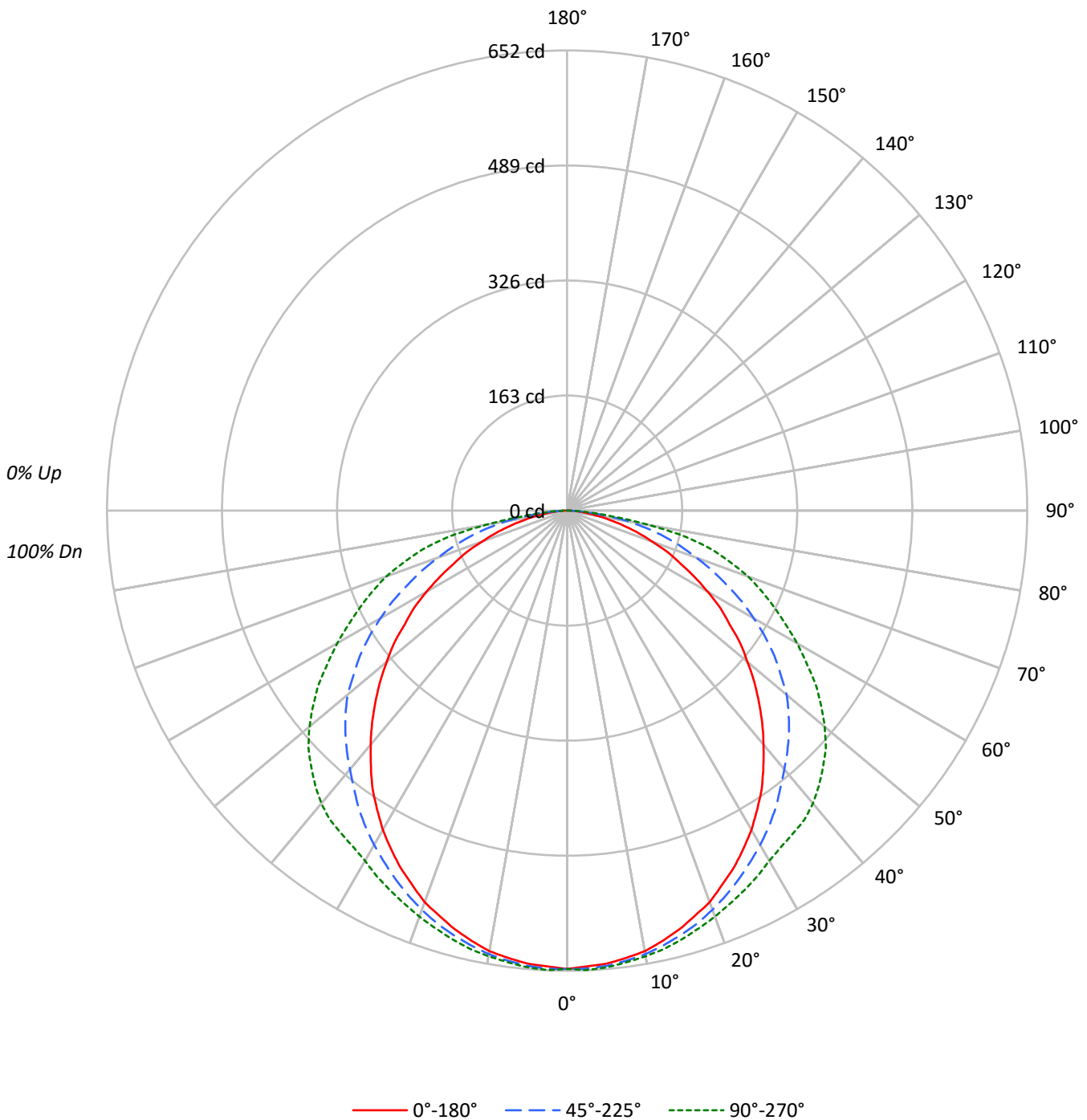
Input Watts (W): 16.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	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	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	50	43	39	37
7	64	50	41	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29
9	56	42	34	28	54	41	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1748	1748	1748
5°	1740	1749	1754
10°	1732	1744	1752
15°	1711	1735	1752
20°	1691	1724	1753
25°	1658	1710	1762
30°	1622	1700	1780
35°	1579	1691	1834
40°	1521	1681	1903
45°	1462	1691	1952
50°	1397	1700	1995
55°	1317	1681	2017
60°	1238	1645	2024
65°	1128	1590	2058
70°	1011	1532	2143
75°	872	1487	2197
80°	690	1365	1830
85°	513	895	991



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.5	3.2
10°-20°	175.6	9.1
20°-30°	265.6	13.8
30°-40°	323.6	16.8
40°-50°	344.7	17.9
50°-60°	318.4	16.5
60°-70°	248.2	12.9
70°-80°	152.1	7.9
80°-90°	36.0	1.9
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°	502.6	26.1
0°-40°	826.2	42.9
0°-60°	1489.3	77.3
0°-90°	1925.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1925.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	650	650	650	650	650	
5°	644	645	647	648	650	61
15°	614	616	623	628	629	173
25°	558	564	576	588	594	257
35°	481	489	515	544	558	300
45°	384	400	444	495	513	296
55°	281	306	358	410	430	253
65°	177	202	250	299	323	176
75°	84	103	143	190	211	89
85°	17	23	29	34	32	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	649.5	649.5	649.5	649.5	649.5
2.5°	646.4	647.4	649.5	650.5	651.6
5°	644.3	645.4	647.4	648.5	649.5
7.5°	639.2	641.2	643.3	645.4	645.4
10°	634.0	635.0	638.1	640.2	641.2
12.5°	624.6	626.7	630.9	635.0	636.0
15°	614.3	616.4	622.6	627.8	628.8
17.5°	601.9	606.0	613.3	618.4	620.5
20°	590.5	593.6	601.9	609.1	612.2
22.5°	573.9	579.1	589.4	598.8	602.9
25°	558.4	563.5	576.0	588.4	593.6
27.5°	540.7	547.0	561.5	579.1	584.2
30°	522.1	528.3	547.0	566.6	572.9
32.5°	501.4	508.6	531.4	554.2	564.6
35°	480.7	488.9	514.8	543.8	558.4
37.5°	456.8	468.2	496.2	534.5	552.1
40°	433.0	445.4	478.6	525.2	541.8
42.5°	409.2	422.6	462.0	510.7	528.3
45°	384.3	399.9	444.4	495.2	512.8
47.5°	359.5	376.0	425.8	477.6	497.2
50°	333.6	352.2	406.1	456.8	476.5
52.5°	309.7	327.3	381.2	434.0	453.7
55°	280.7	305.6	358.4	410.2	429.9
57.5°	257.9	276.6	332.5	383.3	401.9
60°	230.0	250.7	305.6	355.3	376.0
62.5°	203.0	226.9	278.7	327.3	349.1
65°	177.1	202.0	249.7	299.4	323.2
67.5°	154.3	176.1	222.7	273.5	298.3
70°	128.5	149.2	194.7	246.5	272.4
72.5°	105.7	126.4	168.9	219.6	241.4
75°	83.9	102.6	143.0	189.6	211.3
77.5°	63.2	80.8	115.0	155.4	173.0
80°	44.5	60.1	88.1	111.9	118.1
82.5°	30.0	41.4	55.9	67.3	66.3
85°	16.6	22.8	29.0	34.2	32.1
87.5°	6.2	7.3	10.4	10.4	10.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)