

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: P219963

Luminaire Tested: **R3-WG-1L35-LD5-UNV-14**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P219963
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-1L35-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

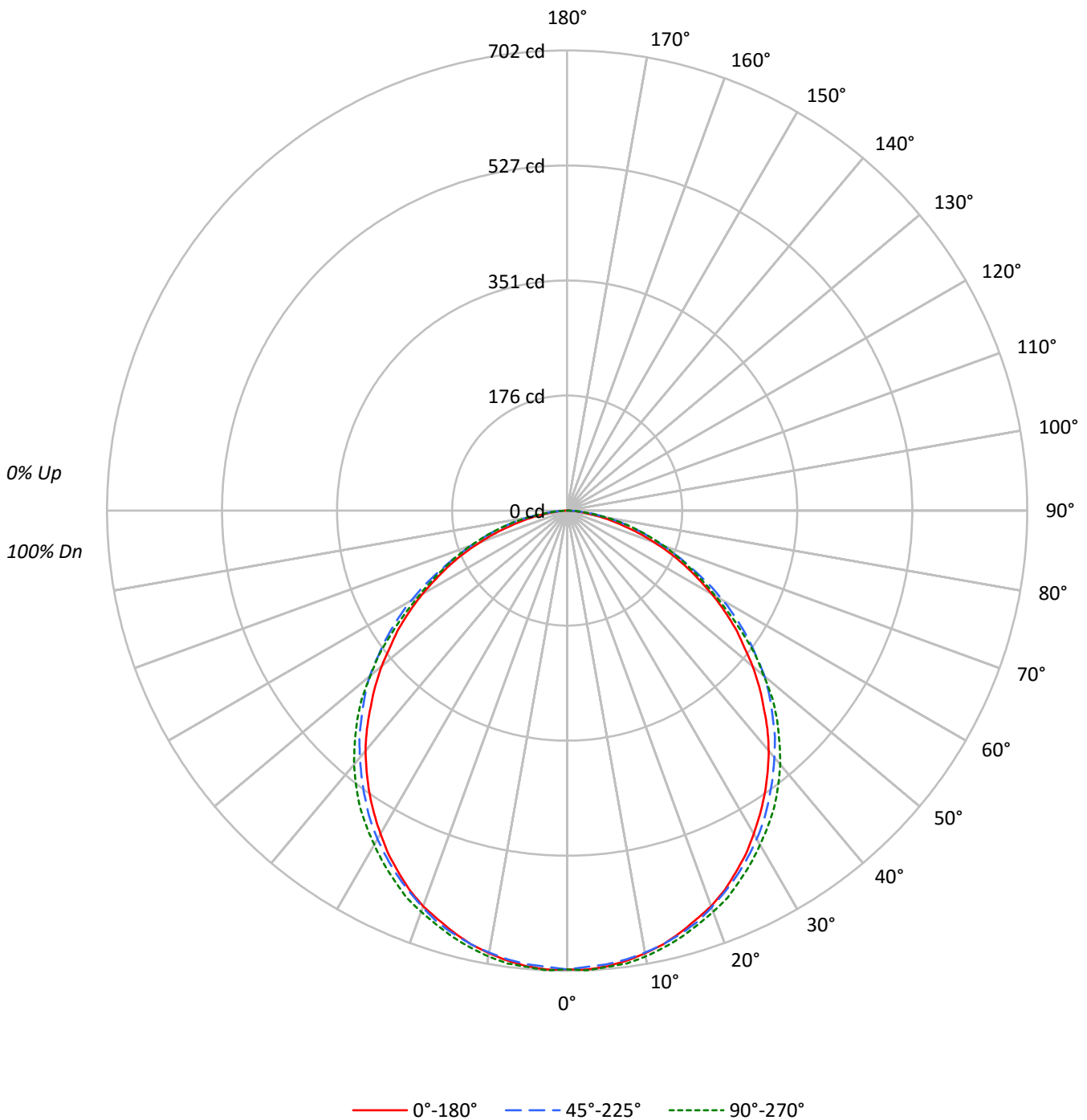
Lumens per Lamp: N/A
Luminaire Lumens: 1848.9 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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°	1883	1883	1883
5°	1885	1877	1888
10°	1874	1871	1887
15°	1857	1862	1877
20°	1839	1845	1865
25°	1808	1823	1850
30°	1769	1798	1829
35°	1728	1764	1811
40°	1681	1727	1776
45°	1613	1686	1724
50°	1545	1647	1639
55°	1471	1571	1537
60°	1372	1481	1410
65°	1262	1346	1314
70°	1114	1217	1234
75°	915	1104	1115
80°	721	941	941
85°	500	685	624



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.2	3.6
10°-20°	189.0	10.2
20°-30°	283.6	15.3
30°-40°	336.4	18.2
40°-50°	340.0	18.4
50°-60°	292.4	15.8
60°-70°	206.3	11.2
70°-80°	110.0	5.9
80°-90°	24.9	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°	538.9	29.1
0°-40°	875.3	47.3
0°-60°	1507.7	81.5
0°-90°	1848.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1848.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	700	700	700	700	700	
5°	698	697	695	699	699	66
15°	666	668	668	674	674	188
25°	609	611	614	623	623	280
35°	526	530	537	548	551	329
45°	424	431	443	451	453	327
55°	314	323	335	334	328	279
65°	198	208	211	209	206	196
75°	88	100	106	110	107	96
85°	16	19	22	20	20	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	699.9	699.9	699.9	699.9	699.9
2.5°	700.9	699.9	696.8	700.9	701.9
5°	697.8	696.8	694.8	698.8	698.8
7.5°	692.8	692.8	690.7	695.8	696.8
10°	685.7	685.7	684.7	689.7	690.7
12.5°	677.6	678.6	677.6	682.7	682.7
15°	666.5	668.5	668.5	673.6	673.6
17.5°	654.3	656.4	658.4	662.4	662.4
20°	642.2	642.2	644.2	650.3	651.3
22.5°	627.0	628.0	629.1	637.1	639.2
25°	608.8	610.9	613.9	623.0	623.0
27.5°	590.6	593.7	596.7	605.8	606.8
30°	569.4	572.4	578.5	586.6	588.6
32.5°	548.1	551.2	559.3	567.4	570.4
35°	525.9	529.9	537.0	548.1	551.2
37.5°	502.6	505.7	514.8	526.9	528.9
40°	478.4	481.4	491.5	502.6	505.7
42.5°	452.1	456.1	469.3	479.4	479.4
45°	423.8	430.8	443.0	451.1	453.1
47.5°	397.5	402.5	418.7	425.8	424.8
50°	369.1	376.2	393.4	395.4	391.4
52.5°	339.8	348.9	363.1	365.1	362.1
55°	313.5	322.6	334.8	333.7	327.7
57.5°	284.2	294.3	305.4	299.4	293.3
60°	254.9	265.0	275.1	266.0	261.9
62.5°	225.5	236.7	243.7	234.6	233.6
65°	198.2	208.3	211.4	209.3	206.3
67.5°	169.9	181.0	183.1	182.0	181.0
70°	141.6	153.7	154.7	156.8	156.8
72.5°	114.3	126.4	130.5	133.5	131.5
75°	88.0	100.1	106.2	110.2	107.2
77.5°	66.7	75.9	83.9	83.9	83.9
80°	46.5	54.6	60.7	61.7	60.7
82.5°	29.3	35.4	40.5	38.4	38.4
85°	16.2	19.2	22.2	20.2	20.2
87.5°	6.1	7.1	6.1	5.1	4.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)