

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: P219991

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P219991
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-1L35-LD5-UNV-14
Description: CLASS R3 1X4 RECESSED LED LUMIANIRE
WITH A CLEAR SMOOTH ROUND LENS & NANO-PRISM INLAY
Light Source: (168) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1954.7 lumens
Efficiency: N/A
Efficacy: 123.7 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

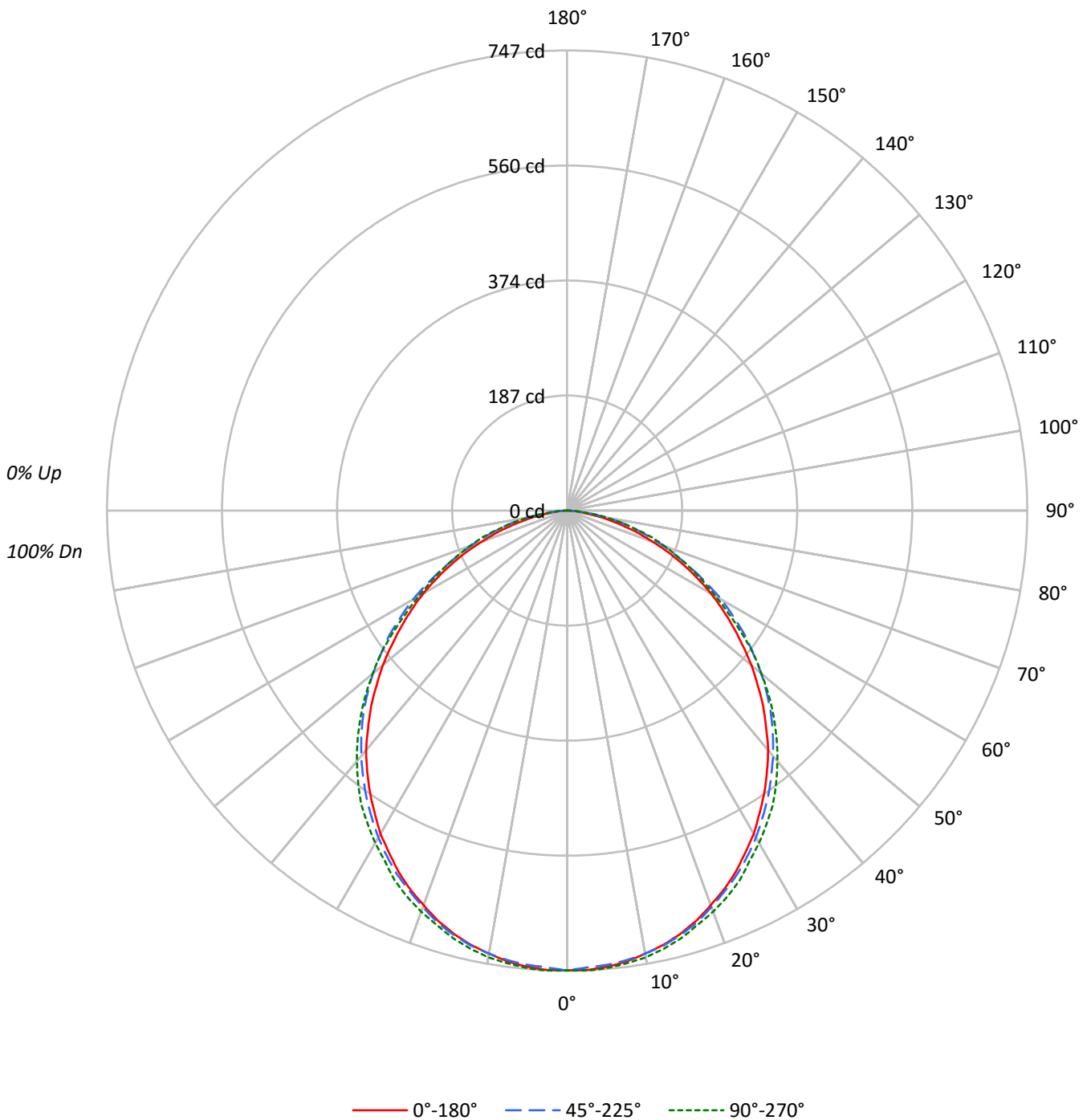
Input Watts (W): 15.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P219991

CATALOG NUMBER: R3-WN-1L35-LD5-UNV-14

Luminous Intensity Polar Plot





TEST NUMBER: P219991

CATALOG NUMBER: R3-WN-1L35-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°	2009	2009	2009
5°	2008	2000	2014
10°	1995	1995	2012
15°	1981	1986	2001
20°	1952	1961	1984
25°	1922	1937	1967
30°	1882	1904	1936
35°	1834	1867	1914
40°	1783	1826	1865
45°	1713	1782	1805
50°	1634	1723	1723
55°	1542	1651	1618
60°	1453	1556	1497
65°	1326	1417	1404
70°	1153	1297	1321
75°	957	1178	1188
80°	705	987	987
85°	469	719	624



TEST NUMBER: P219991

CATALOG NUMBER: R3-WN-1L35-LD5-UNV-14

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	3.6
10°-20°	201.3	10.3
20°-30°	301.1	15.4
30°-40°	355.9	18.2
40°-50°	358.4	18.3
50°-60°	307.2	15.7
60°-70°	217.9	11.1
70°-80°	116.2	5.9
80°-90°	26.0	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°	573.0	29.3
0°-40°	928.9	47.5
0°-60°	1594.6	81.6
0°-90°	1954.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1954.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	746	746	746	746	746	
5°	743	743	740	744	745	71
15°	711	712	713	717	718	200
25°	647	650	652	660	662	298
35°	558	559	568	578	582	349
45°	450	455	468	475	474	347
55°	329	338	352	350	345	294
65°	208	218	222	222	220	206
75°	92	104	113	117	114	99
85°	15	20	23	22	20	20
90°	0	0	0	0	0	



TEST NUMBER: P219991

CATALOG NUMBER: R3-WN-1L35-LD5-UNV-14

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	746.4	746.4	746.4	746.4	746.4
2.5°	746.4	745.4	742.3	747.4	747.4
5°	743.3	743.3	740.3	744.4	745.4
7.5°	738.3	738.3	736.3	741.3	741.3
10°	730.2	731.2	730.2	735.3	736.3
12.5°	722.1	723.1	723.1	727.2	728.2
15°	711.0	712.0	713.0	717.0	718.1
17.5°	697.8	699.9	700.9	704.9	704.9
20°	681.6	684.7	684.7	691.8	692.8
22.5°	665.5	667.5	668.5	676.6	678.6
25°	647.3	650.3	652.3	660.4	662.4
27.5°	626.0	629.1	633.1	642.2	641.2
30°	605.8	606.8	612.9	622.0	623.0
32.5°	581.5	584.6	590.6	600.7	602.8
35°	558.3	559.3	568.4	578.5	582.5
37.5°	533.0	536.0	544.1	555.2	557.3
40°	507.7	509.7	519.8	532.0	531.0
42.5°	478.4	482.4	494.5	503.7	503.7
45°	450.1	455.1	468.3	475.3	474.3
47.5°	419.7	426.8	439.9	446.0	444.0
50°	390.4	397.5	411.6	414.7	411.6
52.5°	359.0	368.1	380.3	381.3	381.3
55°	328.7	337.8	351.9	349.9	344.9
57.5°	299.4	308.5	319.6	315.5	310.5
60°	270.0	278.1	289.2	281.2	278.1
62.5°	238.7	249.8	254.9	250.8	248.8
65°	208.3	218.5	222.5	221.5	220.5
67.5°	178.0	190.1	192.2	193.2	193.2
70°	146.6	160.8	164.8	167.9	167.9
72.5°	120.4	132.5	137.5	142.6	143.6
75°	92.0	104.2	113.3	117.3	114.3
77.5°	68.8	77.9	90.0	89.0	89.0
80°	45.5	55.6	63.7	65.7	63.7
82.5°	28.3	37.4	41.5	41.5	40.5
85°	15.2	20.2	23.3	22.2	20.2
87.5°	6.1	7.1	7.1	5.1	4.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)