

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: P219952

Luminaire Tested: **R3-WL-4L35-LD5-UNV-14**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P219952
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35869)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: R3-WL-4L35-LD5-UNV-14
Description: CLASS R3 1X4 RECESSED LED LUMIANIRE
WITH A FROSTED PRISMATIC ROUND LENS
Light Source: (168) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5077.1 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.25 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

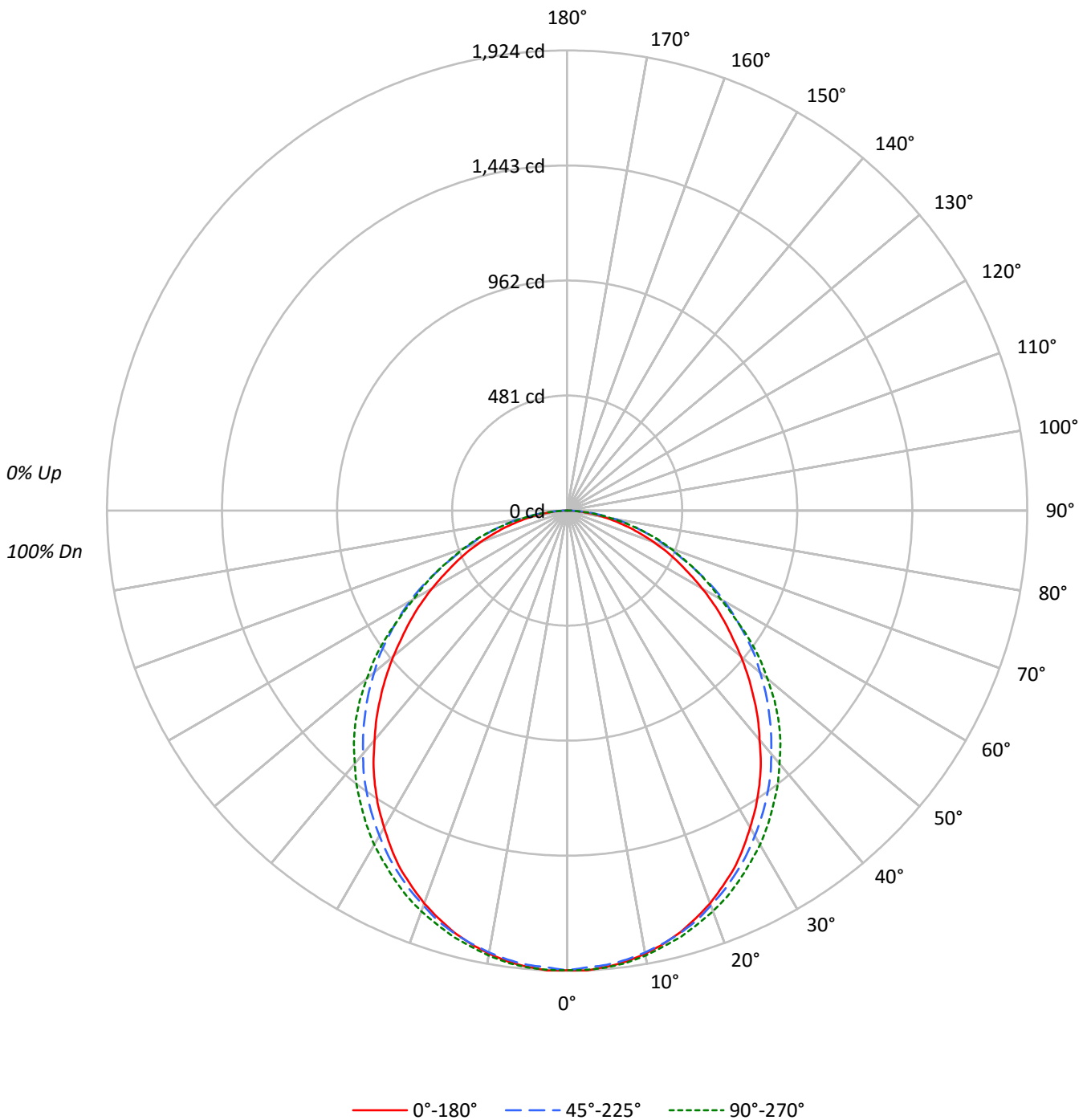
Input Watts (W): 43.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	70	66	62	60
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	51
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	44
6	71	58	49	42	69	57	48	42	55	47	42	53	47	41	52	46	41	39
7	66	52	44	38	64	51	43	37	50	43	37	48	42	37	47	41	37	35
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5172	5172	5172
5°	5171	5151	5178
10°	5141	5127	5162
15°	5087	5094	5136
20°	5004	5033	5106
25°	4903	4963	5061
30°	4754	4880	5013
35°	4602	4785	4935
40°	4397	4664	4851
45°	4196	4542	4764
50°	3970	4404	4574
55°	3749	4259	4330
60°	3512	4083	3988
65°	3269	3800	3816
70°	3024	3541	3601
75°	2734	3366	3366
80°	2391	3135	2940
85°	2032	2578	2263



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.7	3.6
10°-20°	517.0	10.2
20°-30°	772.2	15.2
30°-40°	909.9	17.9
40°-50°	914.3	18.0
50°-60°	790.9	15.6
60°-70°	572.1	11.3
70°-80°	328.9	6.5
80°-90°	90.2	1.8
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°	1470.8	29.0
0°-40°	2380.7	46.9
0°-60°	4085.9	80.5
0°-90°	5077.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5077.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1922	1922	1922	1922	1922	
5°	1914	1914	1907	1917	1917	182
15°	1826	1828	1828	1844	1844	514
25°	1651	1656	1672	1699	1704	759
35°	1401	1419	1457	1495	1502	875
45°	1103	1136	1194	1242	1252	851
55°	799	837	908	936	923	714
65°	513	549	597	599	599	510
75°	263	291	324	334	324	279
85°	66	78	84	78	73	76
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1922.0	1922.0	1922.0	1922.0	1922.0
2.5°	1924.5	1922.0	1911.8	1922.0	1922.0
5°	1914.4	1914.4	1906.8	1916.9	1916.9
7.5°	1901.7	1899.2	1894.1	1904.2	1906.8
10°	1881.5	1881.5	1876.4	1889.1	1889.1
12.5°	1856.2	1856.2	1853.7	1868.8	1866.3
15°	1825.9	1828.4	1828.4	1843.6	1843.6
17.5°	1787.9	1793.0	1798.0	1815.7	1813.2
20°	1747.5	1752.5	1757.6	1780.3	1782.9
22.5°	1699.4	1707.0	1717.1	1744.9	1747.5
25°	1651.4	1656.4	1671.6	1699.4	1704.5
27.5°	1593.2	1603.3	1623.5	1656.4	1658.9
30°	1530.0	1547.7	1570.4	1605.8	1613.4
32.5°	1469.3	1484.5	1514.8	1552.7	1560.3
35°	1401.0	1418.7	1456.6	1494.6	1502.2
37.5°	1330.2	1347.9	1395.9	1436.4	1446.5
40°	1251.8	1277.1	1327.7	1373.2	1380.8
42.5°	1181.0	1203.7	1261.9	1307.4	1320.1
45°	1102.6	1135.5	1193.6	1241.7	1251.8
47.5°	1026.7	1057.1	1125.4	1170.9	1175.9
50°	948.3	986.3	1052.0	1097.5	1092.5
52.5°	869.9	910.4	986.3	1014.1	1014.1
55°	799.1	837.1	907.9	935.7	923.0
57.5°	725.8	766.3	834.5	852.2	826.9
60°	652.5	690.4	758.7	756.1	741.0
62.5°	579.1	619.6	680.3	675.2	670.2
65°	513.4	548.8	596.8	599.3	599.3
67.5°	450.1	485.5	518.4	531.1	523.5
70°	384.4	419.8	450.1	462.8	457.7
72.5°	321.2	359.1	384.4	399.6	394.5
75°	263.0	290.8	323.7	333.8	323.7
77.5°	204.8	232.7	263.0	268.1	257.9
80°	154.3	177.0	202.3	197.3	189.7
82.5°	108.7	126.4	141.6	134.0	129.0
85°	65.8	78.4	83.5	78.4	73.3
87.5°	27.8	32.9	32.9	27.8	27.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)