

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: P189169

Luminaire Tested: **DRI-WS-4L40-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189169
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34838)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DRI-WS-4L40-UNV-14-T1-STD
Description: DIVIDE RECESSED 1x4 LED LUMINAIRE, WaveStream SPECULAR OPTIC
Light Source: (308) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5426.4 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.39 / 1.48
Luminous Opening: Rectangular (W 0.96' x L: 3.83' x H: 0')
CIE Type: Direct

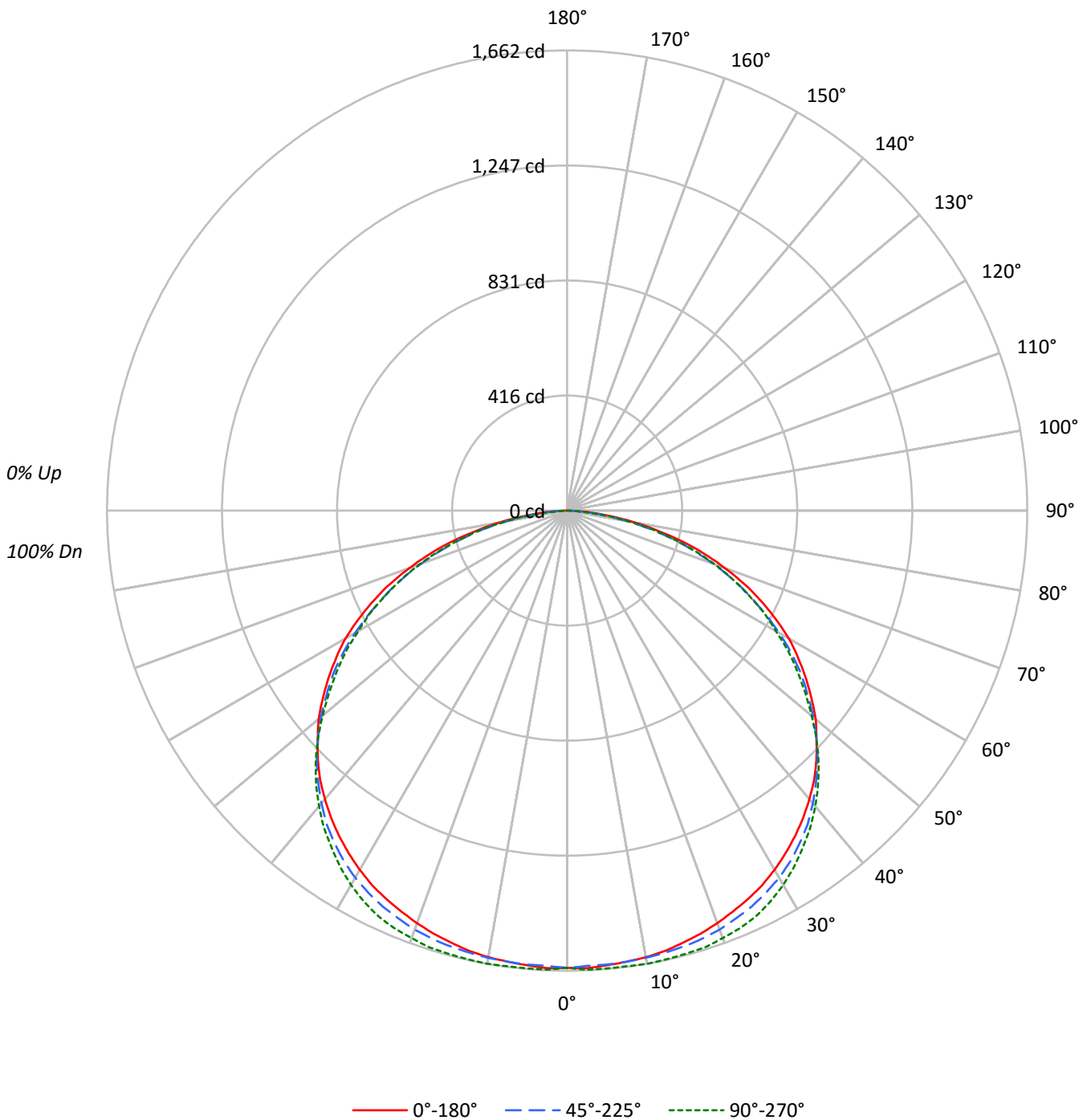
Input Watts (W): 43.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	95	106	101	97	93	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	77	69	62	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	60	55	50	48
5	75	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	39	51	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	34	31
8	59	45	37	31	58	45	36	30	43	36	30	42	35	30	41	35	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4839	4839	4839
5°	4849	4841	4882
10°	4873	4881	4946
15°	4902	4943	5026
20°	4945	5021	5124
25°	5003	5100	5224
30°	5069	5180	5282
35°	5133	5241	5310
40°	5206	5280	5332
45°	5277	5300	5323
50°	5343	5293	5256
55°	5373	5274	5191
60°	5425	5184	5104
65°	5354	5032	5013
70°	5186	4810	4857
75°	4868	4433	4496
80°	4205	3697	3743
85°	3130	2579	1748



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.5	2.9
10°-20°	462.5	8.5
20°-30°	729.1	13.4
30°-40°	916.1	16.9
40°-50°	986.9	18.2
50°-60°	923.5	17.0
60°-70°	730.3	13.5
70°-80°	424.7	7.8
80°-90°	96.0	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°	1349.0	24.9
0°-40°	2265.1	41.7
0°-60°	4175.5	76.9
0°-90°	5426.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5426.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1652	1652	1652	1652	1652	
5°	1649	1652	1646	1657	1660	157
15°	1616	1621	1630	1649	1657	457
25°	1547	1558	1578	1605	1616	714
35°	1435	1449	1465	1482	1484	899
45°	1274	1279	1279	1282	1284	982
55°	1052	1052	1032	1022	1016	940
65°	772	759	726	726	723	762
75°	430	411	392	397	397	451
85°	93	85	77	63	52	115
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1651.5	1651.5	1651.5	1651.5	1651.5
2.5°	1654.2	1651.5	1646.0	1657.0	1659.7
5°	1648.7	1651.5	1646.0	1657.0	1659.7
7.5°	1643.3	1646.0	1643.3	1657.0	1659.7
10°	1637.8	1640.5	1640.5	1657.0	1662.4
12.5°	1629.6	1632.3	1635.1	1654.2	1659.7
15°	1615.9	1621.4	1629.6	1648.7	1657.0
17.5°	1602.2	1610.4	1621.4	1646.0	1654.2
20°	1585.8	1594.0	1610.4	1635.1	1643.3
22.5°	1566.6	1577.5	1594.0	1621.4	1632.3
25°	1547.4	1558.4	1577.5	1604.9	1615.9
27.5°	1525.5	1536.5	1555.6	1583.0	1591.2
30°	1498.1	1511.8	1531.0	1555.6	1561.1
32.5°	1468.0	1481.7	1500.9	1520.0	1525.5
35°	1435.1	1448.8	1465.3	1481.7	1484.4
37.5°	1399.5	1413.2	1426.9	1437.9	1443.3
40°	1361.2	1372.1	1380.3	1391.3	1394.0
42.5°	1320.1	1328.3	1331.0	1342.0	1342.0
45°	1273.5	1279.0	1279.0	1281.8	1284.5
47.5°	1221.5	1229.7	1221.5	1224.2	1221.5
50°	1172.2	1172.2	1161.2	1158.5	1153.0
52.5°	1111.9	1111.9	1095.5	1090.0	1084.6
55°	1051.7	1051.7	1032.5	1021.6	1016.1
57.5°	988.7	983.2	961.3	950.4	947.6
60°	925.7	912.0	884.6	876.4	870.9
62.5°	849.0	838.1	805.2	802.5	802.5
65°	772.3	758.6	725.8	725.8	723.0
67.5°	692.9	676.5	646.4	646.4	646.4
70°	605.3	588.8	561.5	564.2	566.9
72.5°	520.4	501.2	476.5	479.3	482.0
75°	430.0	410.8	391.6	397.1	397.1
77.5°	334.1	323.2	306.7	309.5	315.0
80°	249.2	235.5	219.1	224.6	221.8
82.5°	164.3	150.6	142.4	139.7	139.7
85°	93.1	84.9	76.7	63.0	52.0
87.5°	41.1	30.1	11.0	8.2	5.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)