

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: P189179

Luminaire Tested: **DRI-WS-3L40-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189179  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34844)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: DRI-WS-3L40-UNV-24-T1-STD  
Description: DIVIDE RECESSED 2x4 LED LUMINAIRE, WaveStream SPECULAR OPTIC  
Light Source: (308) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

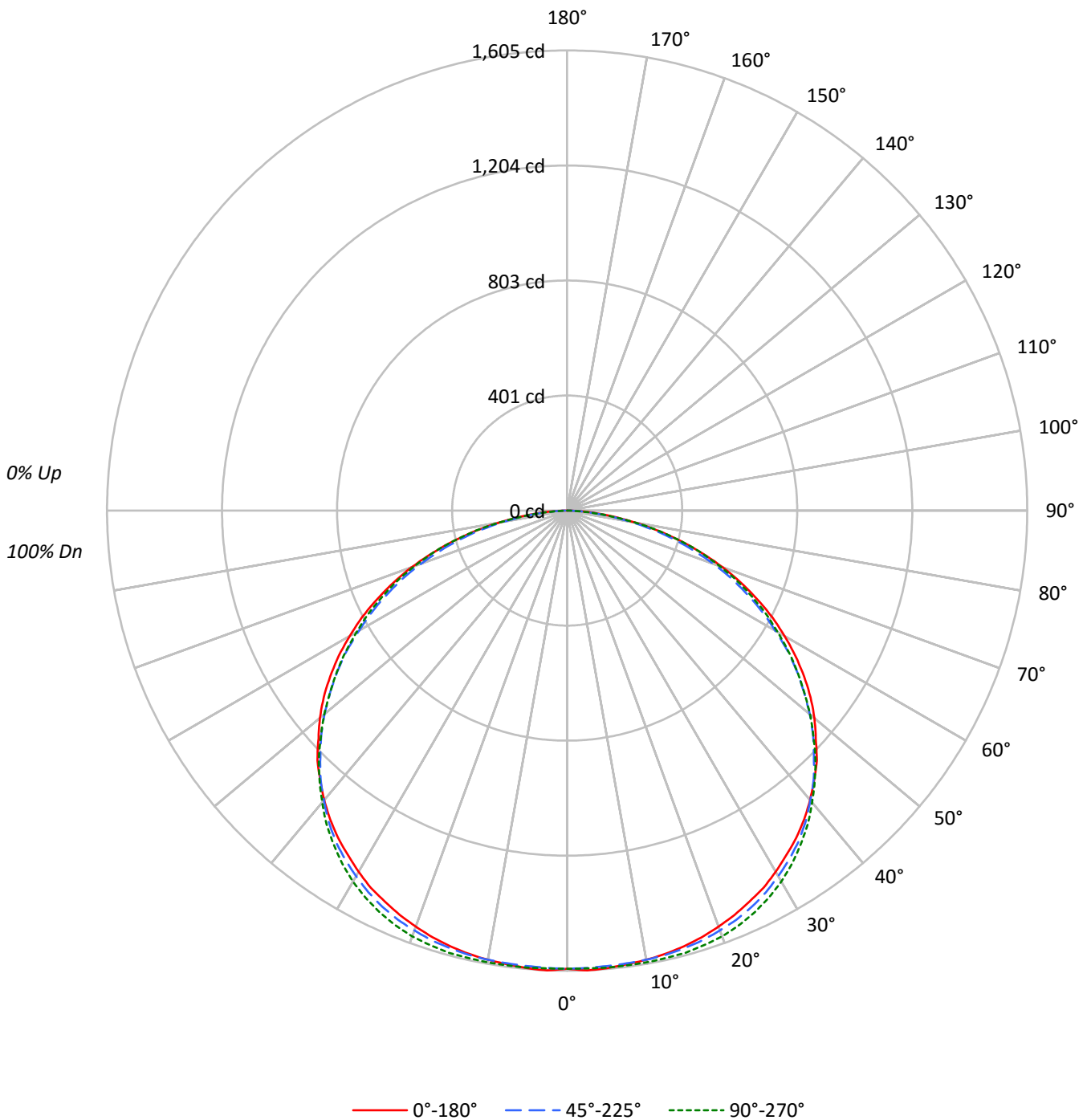
Lumens per Lamp: N/A  
Luminaire Lumens: 5226.0 lumens  
Efficiency: N/A  
Efficacy: 129.7 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.37 / 1.47  
Luminous Opening: Rectangular (W 1.79' x L: 3.83' x H: 0')  
CIE Type: Direct

Input Watts (W): 40.3  
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	93	90	93	90	88	89	87	85	83
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	87	76	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	52	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	50	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31
8	59	45	37	31	57	45	36	30	43	36	30	42	35	30	41	34	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°	2505	2505	2505
5°	2520	2509	2517
10°	2532	2532	2546
15°	2552	2564	2590
20°	2576	2600	2635
25°	2602	2636	2674
30°	2632	2665	2704
35°	2666	2693	2718
40°	2697	2700	2719
45°	2730	2698	2714
50°	2745	2693	2697
55°	2758	2674	2679
60°	2747	2629	2657
65°	2710	2577	2637
70°	2641	2485	2592
75°	2479	2327	2479
80°	2155	2010	2155
85°	1744	1485	1518



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.2	2.9
10°-20°	447.0	8.6
20°-30°	702.8	13.4
30°-40°	879.2	16.8
40°-50°	942.8	18.0
50°-60°	880.4	16.8
60°-70°	699.9	13.4
70°-80°	417.6	8.0
80°-90°	104.0	2.0
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°	1302.0	24.9
0°-40°	2181.2	41.7
0°-60°	4004.4	76.6
0°-90°	5226.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5226.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1598	1598	1598	1598	1598	
5°	1602	1595	1595	1593	1600	153
15°	1573	1571	1580	1587	1596	445
25°	1505	1507	1525	1537	1546	695
35°	1394	1395	1408	1415	1420	872
45°	1232	1223	1218	1223	1225	948
55°	1009	993	979	977	980	901
65°	731	713	695	706	711	722
75°	409	390	384	402	409	432
85°	97	86	83	83	84	114
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1598.2	1598.2	1598.2	1598.2	1598.2
2.5°	1605.4	1596.4	1596.4	1592.8	1598.2
5°	1601.8	1594.6	1594.6	1592.8	1600.0
7.5°	1596.4	1591.0	1592.8	1592.8	1600.0
10°	1591.0	1587.4	1591.0	1592.8	1600.0
12.5°	1583.8	1578.4	1587.4	1591.0	1598.2
15°	1573.1	1571.3	1580.2	1587.4	1596.4
17.5°	1560.5	1558.7	1571.3	1580.2	1589.2
20°	1544.3	1544.3	1558.7	1569.5	1580.2
22.5°	1526.4	1528.2	1544.3	1556.9	1565.9
25°	1504.8	1506.6	1524.6	1537.1	1546.1
27.5°	1483.3	1483.3	1501.2	1513.8	1522.8
30°	1454.5	1458.1	1472.5	1485.1	1494.0
32.5°	1424.0	1427.6	1442.0	1452.7	1459.9
35°	1393.5	1395.3	1407.8	1415.0	1420.4
37.5°	1357.6	1357.6	1366.5	1371.9	1379.1
40°	1318.1	1316.3	1319.9	1325.2	1328.8
42.5°	1275.0	1271.4	1273.2	1278.6	1278.6
45°	1231.9	1222.9	1217.5	1222.9	1224.7
47.5°	1176.2	1172.6	1163.6	1165.4	1165.4
50°	1125.9	1113.3	1104.4	1102.6	1106.2
52.5°	1070.3	1055.9	1041.5	1039.7	1041.5
55°	1009.2	993.0	978.7	976.9	980.5
57.5°	944.6	928.4	912.2	914.0	915.8
60°	876.3	856.6	838.6	844.0	847.6
62.5°	806.3	786.5	768.6	774.0	782.9
65°	730.9	712.9	694.9	705.7	711.1
67.5°	655.4	635.7	621.3	633.9	642.9
70°	576.4	554.9	542.3	558.5	565.7
72.5°	493.8	477.7	461.5	483.1	492.0
75°	409.4	389.7	384.3	402.2	409.4
77.5°	326.8	308.9	303.5	319.6	328.6
80°	238.8	228.1	222.7	233.4	238.8
82.5°	161.6	149.0	147.2	152.6	156.2
85°	97.0	86.2	82.6	82.6	84.4
87.5°	41.3	35.9	26.9	25.1	19.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)