

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: P189125

Luminaire Tested: **DRI-WS-4L30-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189125  
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-4L30-UNV-24-T1-STD  
Description: DIVIDE RECESSED 2x4 LED LUMINAIRE, WaveStream SPECULAR OPTIC  
Light Source: (308) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

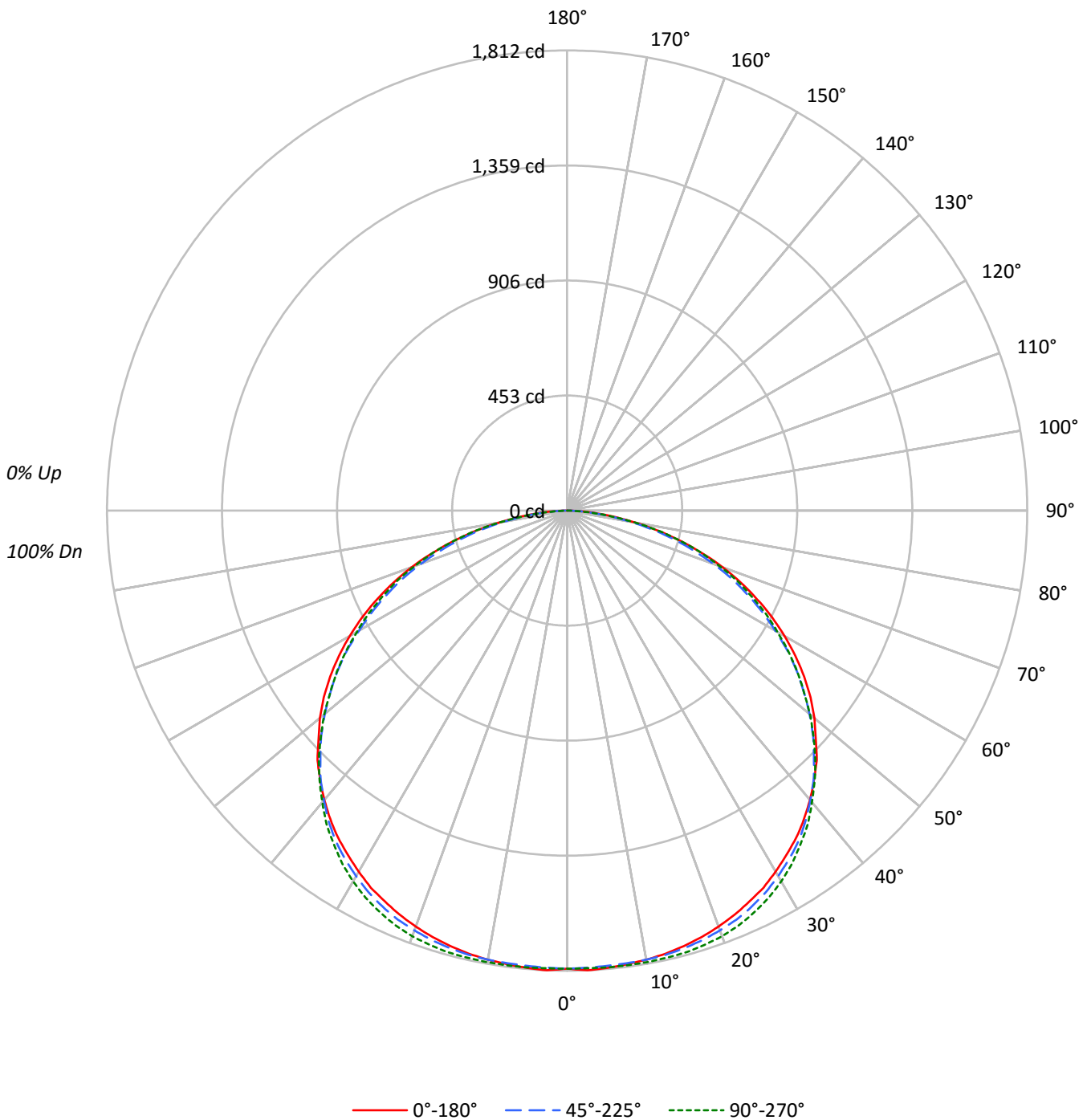
Lumens per Lamp: N/A  
Luminaire Lumens: 5898.2 lumens  
Efficiency: N/A  
Efficacy: 118.2 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.37 / 1.47  
Luminous Opening: Rectangular (W 1.79' x L: 3.83' x H: 0')  
CIE Type: Direct

Input Watts (W): 49.9  
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°	2827	2827	2827
5°	2844	2831	2841
10°	2858	2858	2874
15°	2881	2894	2923
20°	2907	2934	2975
25°	2937	2976	3018
30°	2971	3008	3052
35°	3009	3040	3067
40°	3043	3048	3068
45°	3081	3046	3064
50°	3098	3039	3044
55°	3112	3018	3024
60°	3100	2967	2998
65°	3059	2909	2976
70°	2981	2805	2925
75°	2798	2626	2798
80°	2433	2268	2433
85°	1967	1676	1714



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.8	2.9
10°-20°	504.5	8.6
20°-30°	793.2	13.4
30°-40°	992.3	16.8
40°-50°	1064.1	18.0
50°-60°	993.6	16.8
60°-70°	790.0	13.4
70°-80°	471.4	8.0
80°-90°	117.4	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°	1469.4	24.9
0°-40°	2461.8	41.7
0°-60°	4519.4	76.6
0°-90°	5898.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5898.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1804	1804	1804	1804	1804	
5°	1808	1800	1800	1798	1806	172
15°	1775	1773	1784	1792	1802	502
25°	1698	1700	1721	1735	1745	784
35°	1573	1575	1589	1597	1603	984
45°	1390	1380	1374	1380	1382	1070
55°	1139	1121	1104	1102	1107	1016
65°	825	805	784	796	803	815
75°	462	440	434	454	462	487
85°	109	97	93	93	95	129
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1803.8	1803.8	1803.8	1803.8	1803.8
2.5°	1811.9	1801.7	1801.7	1797.7	1803.8
5°	1807.8	1799.7	1799.7	1797.7	1805.8
7.5°	1801.7	1795.7	1797.7	1797.7	1805.8
10°	1795.7	1791.6	1795.7	1797.7	1805.8
12.5°	1787.5	1781.5	1791.6	1795.7	1803.8
15°	1775.4	1773.4	1783.5	1791.6	1801.7
17.5°	1761.2	1759.2	1773.4	1783.5	1793.6
20°	1743.0	1743.0	1759.2	1771.3	1783.5
22.5°	1722.7	1724.7	1743.0	1757.1	1767.3
25°	1698.4	1700.4	1720.7	1734.9	1745.0
27.5°	1674.1	1674.1	1694.3	1708.5	1718.6
30°	1641.6	1645.7	1661.9	1676.1	1686.2
32.5°	1607.2	1611.2	1627.4	1639.6	1647.7
35°	1572.7	1574.7	1588.9	1597.0	1603.1
37.5°	1532.2	1532.2	1542.3	1548.4	1556.5
40°	1487.6	1485.6	1489.6	1495.7	1499.8
42.5°	1439.0	1434.9	1436.9	1443.0	1443.0
45°	1390.3	1380.2	1374.1	1380.2	1382.2
47.5°	1327.5	1323.4	1313.3	1315.3	1315.3
50°	1270.7	1256.6	1246.4	1244.4	1248.4
52.5°	1207.9	1191.7	1175.5	1173.5	1175.5
55°	1139.0	1120.8	1104.5	1102.5	1106.6
57.5°	1066.0	1047.8	1029.6	1031.6	1033.6
60°	989.0	966.7	946.5	952.5	956.6
62.5°	910.0	887.7	867.4	873.5	883.6
65°	824.9	804.6	784.3	796.5	802.6
67.5°	739.7	717.5	701.2	715.4	725.6
70°	650.6	626.2	612.1	630.3	638.4
72.5°	557.3	539.1	520.9	545.2	555.3
75°	462.1	439.8	433.7	454.0	462.1
77.5°	368.9	348.6	342.5	360.8	370.9
80°	269.6	257.4	251.3	263.5	269.6
82.5°	182.4	168.2	166.2	172.3	176.3
85°	109.4	97.3	93.2	93.2	95.3
87.5°	46.6	40.5	30.4	28.4	22.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)