

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: P189123

Luminaire Tested: **DRI-WS-2L30-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189123  
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-2L30-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**

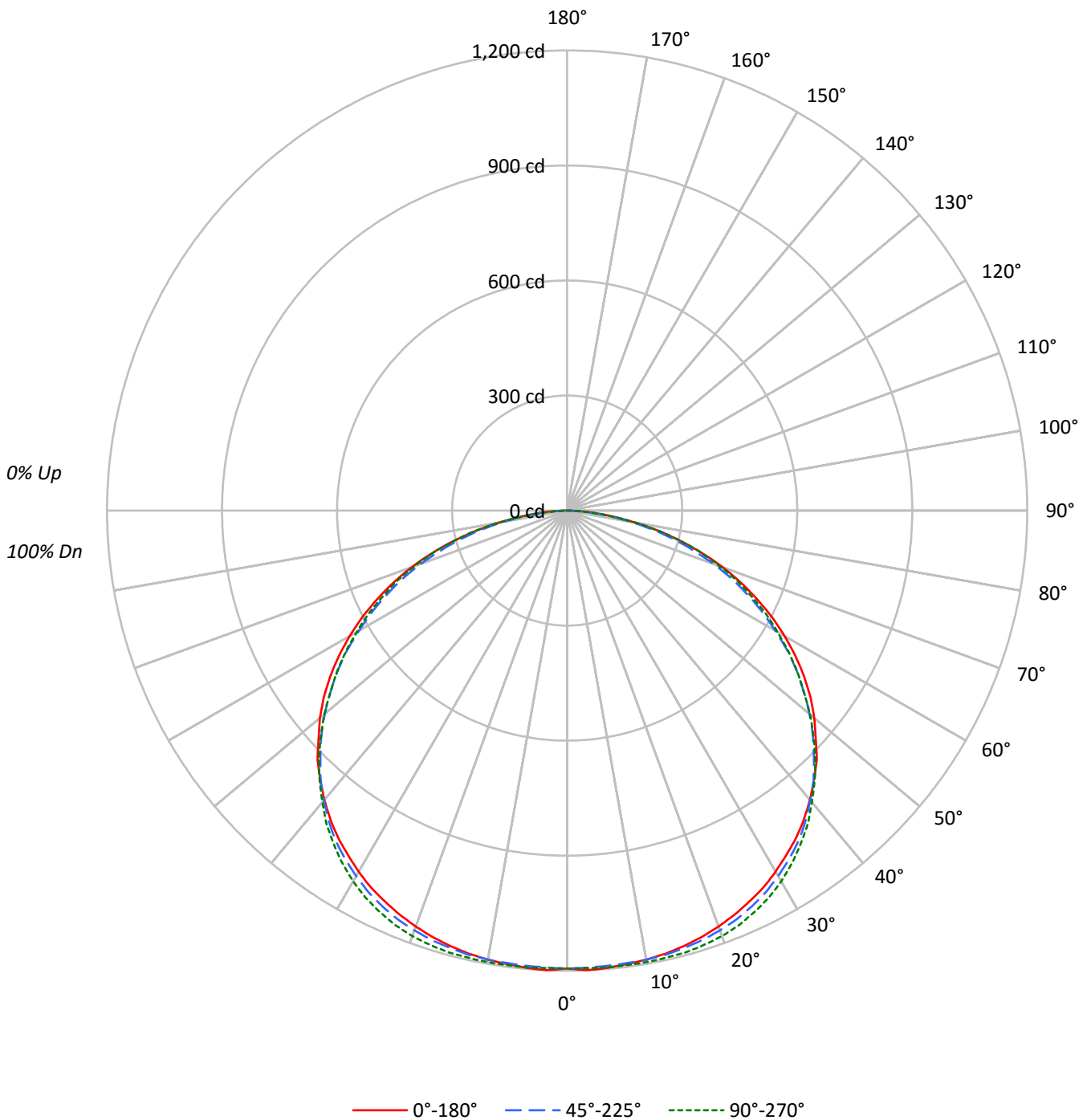
Lumens per Lamp: N/A  
Luminaire Lumens: 3905.4 lumens  
Efficiency: N/A  
Efficacy: 124.8 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.37 / 1.47  
Luminous Opening: Rectangular (W 1.79' x L: 3.83' x H: 0')  
CIE Type: Direct

Input Watts (W): 31.3  
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°	1872	1872	1872
5°	1883	1875	1881
10°	1892	1892	1903
15°	1907	1916	1936
20°	1925	1943	1970
25°	1945	1970	1998
30°	1967	1991	2021
35°	1992	2013	2031
40°	2015	2018	2032
45°	2040	2016	2028
50°	2052	2012	2015
55°	2061	1998	2002
60°	2053	1964	1985
65°	2026	1926	1971
70°	1974	1857	1937
75°	1853	1739	1853
80°	1611	1502	1611
85°	1304	1109	1135



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.7	2.9
10°-20°	334.1	8.6
20°-30°	525.2	13.4
30°-40°	657.1	16.8
40°-50°	704.6	18.0
50°-60°	657.9	16.8
60°-70°	523.1	13.4
70°-80°	312.1	8.0
80°-90°	77.7	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°	973.0	24.9
0°-40°	1630.0	41.7
0°-60°	2992.5	76.6
0°-90°	3905.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3905.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1194	1194	1194	1194	1194	
5°	1197	1192	1192	1190	1196	114
15°	1176	1174	1181	1186	1193	332
25°	1125	1126	1139	1149	1155	519
35°	1041	1043	1052	1058	1062	651
45°	921	914	910	914	915	708
55°	754	742	731	730	733	673
65°	546	533	519	527	531	540
75°	306	291	287	301	306	323
85°	72	64	62	62	63	85
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1194.3	1194.3	1194.3	1194.3	1194.3
2.5°	1199.7	1193.0	1193.0	1190.3	1194.3
5°	1197.0	1191.7	1191.7	1190.3	1195.7
7.5°	1193.0	1189.0	1190.3	1190.3	1195.7
10°	1189.0	1186.3	1189.0	1190.3	1195.7
12.5°	1183.6	1179.6	1186.3	1189.0	1194.3
15°	1175.6	1174.2	1180.9	1186.3	1193.0
17.5°	1166.2	1164.8	1174.2	1180.9	1187.6
20°	1154.1	1154.1	1164.8	1172.9	1180.9
22.5°	1140.7	1142.0	1154.1	1163.5	1170.2
25°	1124.6	1125.9	1139.3	1148.7	1155.4
27.5°	1108.5	1108.5	1121.9	1131.3	1138.0
30°	1087.0	1089.7	1100.4	1109.8	1116.5
32.5°	1064.2	1066.9	1077.6	1085.6	1091.0
35°	1041.4	1042.7	1052.1	1057.5	1061.5
37.5°	1014.5	1014.5	1021.2	1025.3	1030.6
40°	985.0	983.7	986.3	990.4	993.0
42.5°	952.8	950.1	951.4	955.5	955.5
45°	920.6	913.9	909.8	913.9	915.2
47.5°	879.0	876.3	869.6	870.9	870.9
50°	841.4	832.0	825.3	824.0	826.6
52.5°	799.8	789.1	778.3	777.0	778.3
55°	754.2	742.1	731.4	730.0	732.7
57.5°	705.9	693.8	681.7	683.1	684.4
60°	654.9	640.1	626.7	630.7	633.4
62.5°	602.5	587.8	574.4	578.4	585.1
65°	546.2	532.8	519.3	527.4	531.4
67.5°	489.8	475.1	464.3	473.7	480.4
70°	430.8	414.7	405.3	417.3	422.7
72.5°	369.0	357.0	344.9	361.0	367.7
75°	306.0	291.2	287.2	300.6	306.0
77.5°	244.2	230.8	226.8	238.9	245.6
80°	178.5	170.4	166.4	174.5	178.5
82.5°	120.8	111.4	110.0	114.1	116.8
85°	72.5	64.4	61.7	61.7	63.1
87.5°	30.9	26.8	20.1	18.8	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)