

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: P189094

Luminaire Tested: **DRI-WD-5L30-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34839)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DRI-WD-5L30-UNV-24-T1-STD
Description: DIVIDE RECESSED 2x4 LED LUMINAIRE, WaveStream DIFFUSE OPTIC
Light Source: (308) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7091.2 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.42
Luminous Opening: Rectangular (W 1.79' x L: 3.83' x H: 0')
CIE Type: Direct

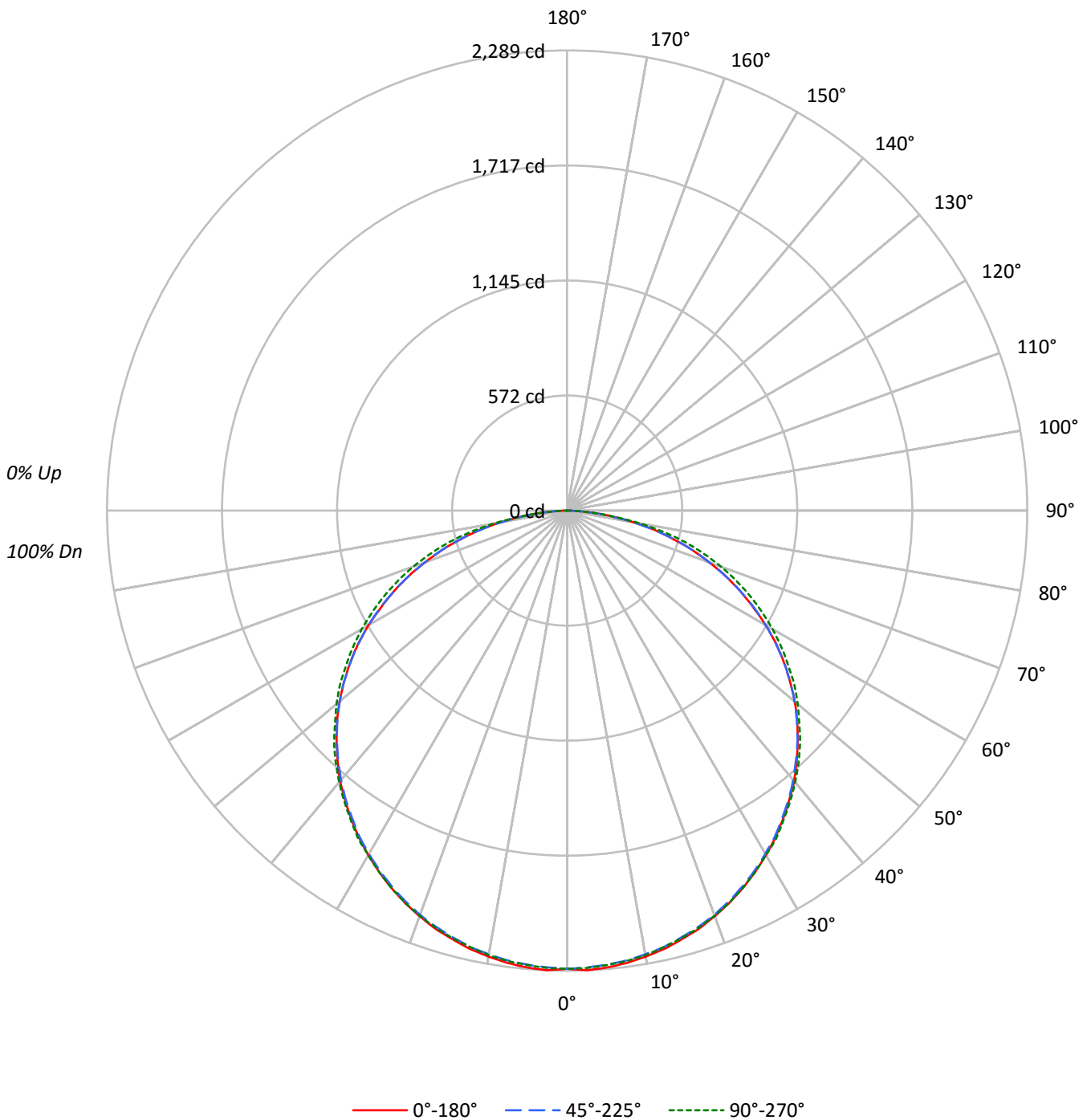
Input Watts (W): 61.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P189094

CATALOG NUMBER: DRI-WD-5L30-UNV-24-T1-STD

Luminous Intensity Polar Plot





TEST NUMBER: P189094

CATALOG NUMBER: DRI-WD-5L30-UNV-24-T1-STD

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	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	74	70	68
3	89	78	69	63	86	76	68	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52	62	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	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	30	25	36	29	25	35	29	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3572	3572	3572
5°	3589	3567	3571
10°	3585	3566	3574
15°	3581	3565	3573
20°	3581	3568	3576
25°	3579	3567	3579
30°	3580	3567	3580
35°	3583	3569	3592
40°	3595	3580	3609
45°	3595	3590	3633
50°	3603	3603	3650
55°	3597	3597	3670
60°	3576	3576	3697
65°	3526	3534	3722
70°	3452	3441	3728
75°	3308	3323	3687
80°	3042	2976	3323
85°	2338	2206	2251



TEST NUMBER: P189094

CATALOG NUMBER: DRI-WD-5L30-UNV-24-T1-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.8	3.0
10°-20°	621.2	8.8
20°-30°	952.2	13.4
30°-40°	1170.9	16.5
40°-50°	1252.9	17.7
50°-60°	1181.7	16.7
60°-70°	953.5	13.4
70°-80°	590.7	8.3
80°-90°	152.3	2.1
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°	1789.2	25.2
0°-40°	2960.1	41.7
0°-60°	5394.6	76.1
0°-90°	7091.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7091.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2279	2279	2279	2279	2279	
5°	2282	2272	2267	2265	2270	217
15°	2207	2200	2197	2195	2202	624
25°	2070	2063	2063	2063	2070	955
35°	1872	1868	1865	1870	1877	1172
45°	1622	1617	1620	1632	1639	1252
55°	1316	1309	1316	1331	1343	1176
65°	951	948	953	982	1004	940
75°	546	544	549	585	609	577
85°	130	125	123	116	125	158
90°	0	0	0	0	0	



TEST NUMBER: P189094

CATALOG NUMBER: DRI-WD-5L30-UNV-24-T1-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2279.2	2279.2	2279.2	2279.2	2279.2
2.5°	2288.9	2276.8	2274.4	2272.0	2276.8
5°	2281.6	2272.0	2267.2	2264.8	2269.6
7.5°	2269.6	2260.0	2257.6	2252.8	2260.0
10°	2252.8	2243.1	2240.7	2238.3	2245.5
12.5°	2233.5	2223.9	2223.9	2219.1	2223.9
15°	2207.0	2199.8	2197.4	2195.0	2202.2
17.5°	2180.5	2170.9	2170.9	2168.5	2175.7
20°	2146.9	2139.6	2139.6	2137.2	2144.4
22.5°	2110.8	2101.1	2103.5	2103.5	2110.8
25°	2069.8	2062.6	2062.6	2062.6	2069.8
27.5°	2026.5	2019.3	2019.3	2021.7	2026.5
30°	1978.4	1971.2	1971.2	1973.6	1978.4
32.5°	1927.8	1923.0	1923.0	1925.4	1935.1
35°	1872.5	1867.7	1865.3	1870.1	1877.3
37.5°	1814.7	1809.9	1809.9	1817.1	1821.9
40°	1757.0	1749.7	1749.7	1757.0	1764.2
42.5°	1689.6	1684.8	1684.8	1692.0	1704.0
45°	1622.2	1617.4	1619.8	1631.8	1639.0
47.5°	1552.4	1545.2	1550.0	1559.6	1566.8
50°	1477.8	1473.0	1477.8	1487.4	1497.0
52.5°	1398.3	1398.3	1398.3	1412.8	1424.8
55°	1316.5	1309.3	1316.5	1331.0	1343.0
57.5°	1232.3	1225.1	1229.9	1251.5	1263.6
60°	1140.8	1133.6	1140.8	1164.9	1179.3
62.5°	1044.5	1044.5	1049.4	1073.4	1092.7
65°	950.7	948.3	953.1	982.0	1003.6
67.5°	854.4	852.0	854.4	888.1	909.8
70°	753.3	748.5	750.9	789.4	813.5
72.5°	652.2	645.0	654.6	688.3	712.4
75°	546.3	543.9	548.7	584.8	608.9
77.5°	445.3	438.0	440.4	471.7	491.0
80°	337.0	327.3	329.7	349.0	368.2
82.5°	233.5	221.4	223.8	231.1	240.7
85°	130.0	125.2	122.7	115.5	125.2
87.5°	50.5	43.3	36.1	33.7	36.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)