

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: P189126

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189126
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-5L30-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

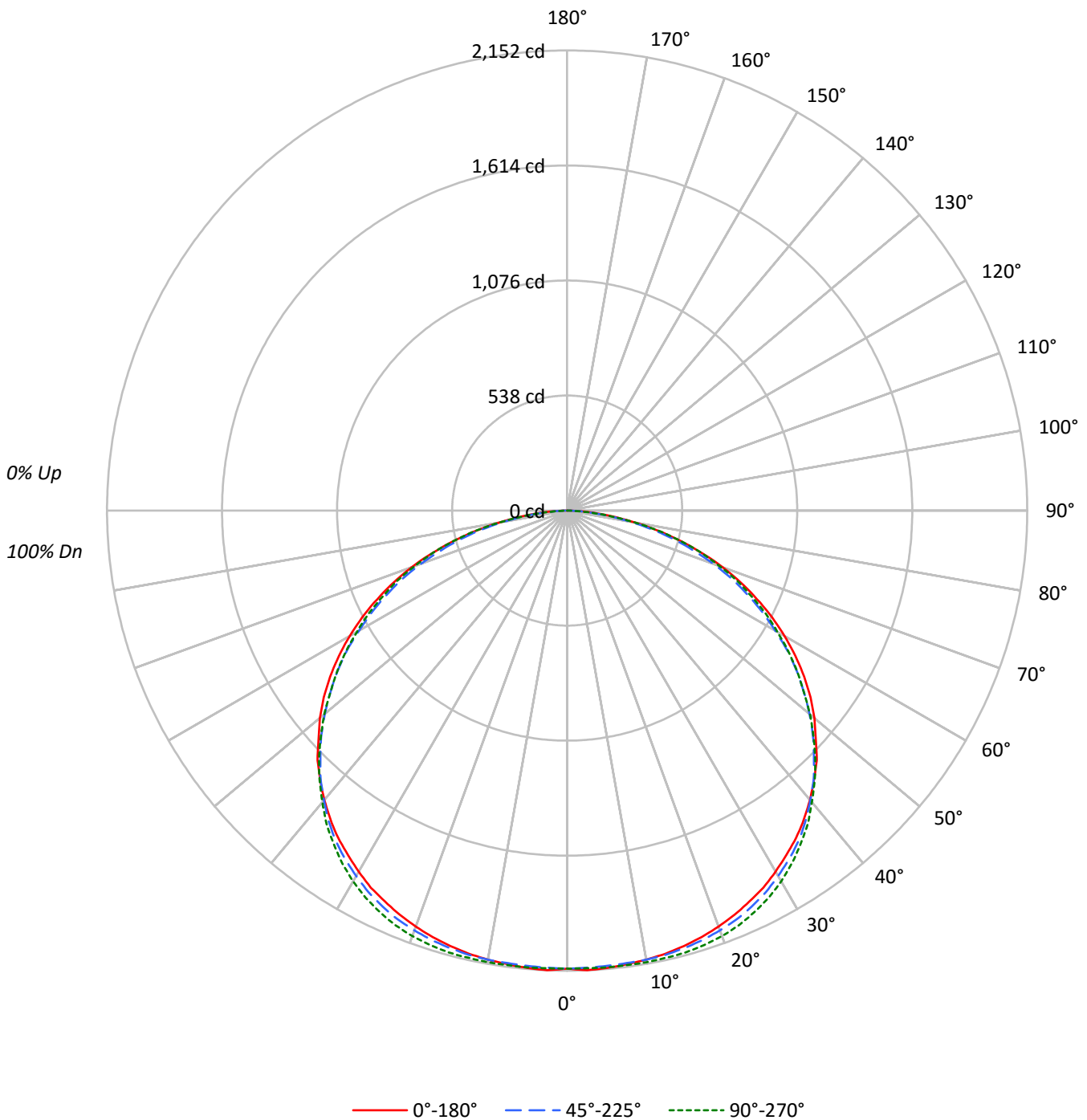
Lumens per Lamp: N/A
Luminaire Lumens: 7004.3 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.37 / 1.47
Luminous Opening: Rectangular (W 1.79' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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



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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°	3357	3357	3357
5°	3378	3362	3374
10°	3394	3394	3413
15°	3421	3437	3472
20°	3452	3484	3532
25°	3488	3534	3583
30°	3528	3572	3624
35°	3573	3610	3642
40°	3614	3619	3644
45°	3660	3617	3638
50°	3679	3609	3615
55°	3696	3584	3591
60°	3681	3523	3561
65°	3633	3454	3534
70°	3540	3330	3474
75°	3323	3119	3323
80°	2889	2693	2889
85°	2338	1991	2034



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.0	2.9
10°-20°	599.1	8.6
20°-30°	941.9	13.4
30°-40°	1178.4	16.8
40°-50°	1263.6	18.0
50°-60°	1180.0	16.8
60°-70°	938.1	13.4
70°-80°	559.7	8.0
80°-90°	139.4	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°	1745.0	24.9
0°-40°	2923.4	41.7
0°-60°	5367.0	76.6
0°-90°	7004.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7004.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2142	2142	2142	2142	2142	
5°	2147	2137	2137	2135	2144	204
15°	2108	2106	2118	2128	2140	596
25°	2017	2019	2043	2060	2072	931
35°	1868	1870	1887	1896	1904	1168
45°	1651	1639	1632	1639	1641	1270
55°	1353	1331	1312	1309	1314	1207
65°	980	956	931	946	953	968
75°	549	522	515	539	549	579
85°	130	116	111	111	113	153
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2142.0	2142.0	2142.0	2142.0	2142.0
2.5°	2151.7	2139.6	2139.6	2134.8	2142.0
5°	2146.9	2137.2	2137.2	2134.8	2144.4
7.5°	2139.6	2132.4	2134.8	2134.8	2144.4
10°	2132.4	2127.6	2132.4	2134.8	2144.4
12.5°	2122.8	2115.6	2127.6	2132.4	2142.0
15°	2108.3	2105.9	2118.0	2127.6	2139.6
17.5°	2091.5	2089.1	2105.9	2118.0	2130.0
20°	2069.8	2069.8	2089.1	2103.5	2118.0
22.5°	2045.8	2048.2	2069.8	2086.7	2098.7
25°	2016.9	2019.3	2043.4	2060.2	2072.2
27.5°	1988.0	1988.0	2012.1	2028.9	2041.0
30°	1949.5	1954.3	1973.6	1990.4	2002.4
32.5°	1908.6	1913.4	1932.6	1947.1	1956.7
35°	1867.7	1870.1	1886.9	1896.5	1903.8
37.5°	1819.5	1819.5	1831.6	1838.8	1848.4
40°	1766.6	1764.2	1769.0	1776.2	1781.0
42.5°	1708.8	1704.0	1706.4	1713.6	1713.6
45°	1651.1	1639.0	1631.8	1639.0	1641.4
47.5°	1576.4	1571.6	1559.6	1562.0	1562.0
50°	1509.1	1492.2	1480.2	1477.8	1482.6
52.5°	1434.4	1415.2	1395.9	1393.5	1395.9
55°	1352.6	1331.0	1311.7	1309.3	1314.1
57.5°	1266.0	1244.3	1222.6	1225.1	1227.5
60°	1174.5	1148.0	1124.0	1131.2	1136.0
62.5°	1080.6	1054.2	1030.1	1037.3	1049.4
65°	979.6	955.5	931.4	945.9	953.1
67.5°	878.5	852.0	832.7	849.6	861.6
70°	772.6	743.7	726.8	748.5	758.1
72.5°	661.9	640.2	618.5	647.4	659.5
75°	548.7	522.3	515.1	539.1	548.7
77.5°	438.0	414.0	406.7	428.4	440.4
80°	320.1	305.7	298.4	312.9	320.1
82.5°	216.6	199.8	197.4	204.6	209.4
85°	130.0	115.5	110.7	110.7	113.1
87.5°	55.4	48.1	36.1	33.7	26.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)