

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: P189124

Luminaire Tested: **DRI-WS-3L30-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189124
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-3L30-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

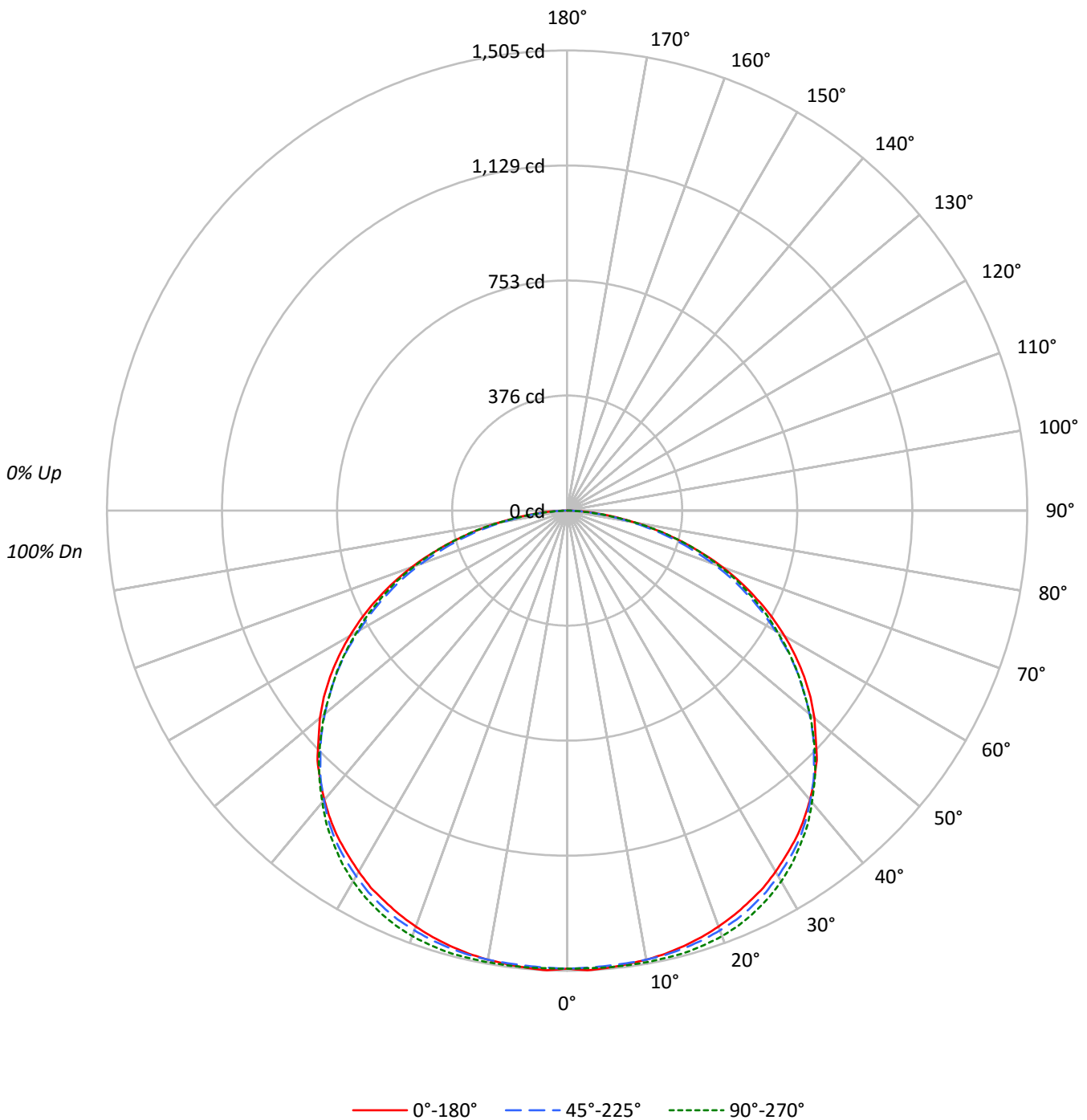
Lumens per Lamp: N/A
Luminaire Lumens: 4898.9 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.37 / 1.47
Luminous Opening: Rectangular (W 1.79' x L: 3.83' x H: 0')
CIE Type: Direct

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°	2348	2348	2348
5°	2362	2352	2360
10°	2373	2373	2387
15°	2393	2403	2428
20°	2415	2437	2471
25°	2439	2471	2506
30°	2468	2498	2534
35°	2499	2525	2547
40°	2528	2531	2549
45°	2560	2530	2544
50°	2574	2524	2528
55°	2585	2507	2511
60°	2575	2464	2490
65°	2541	2416	2472
70°	2476	2330	2430
75°	2324	2181	2324
80°	2021	1884	2021
85°	1635	1392	1422



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.7	2.9
10°-20°	419.0	8.6
20°-30°	658.8	13.4
30°-40°	824.2	16.8
40°-50°	883.8	18.0
50°-60°	825.3	16.8
60°-70°	656.1	13.4
70°-80°	391.5	8.0
80°-90°	97.5	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°	1220.5	24.9
0°-40°	2044.7	41.7
0°-60°	3753.8	76.6
0°-90°	4898.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4898.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1498	1498	1498	1498	1498	
5°	1502	1495	1495	1493	1500	143
15°	1475	1473	1481	1488	1496	417
25°	1411	1412	1429	1441	1449	651
35°	1306	1308	1320	1326	1332	817
45°	1155	1146	1141	1146	1148	888
55°	946	931	917	916	919	844
65°	685	668	652	662	667	677
75°	384	365	360	377	384	405
85°	91	81	77	77	79	107
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1498.2	1498.2	1498.2	1498.2	1498.2
2.5°	1504.9	1496.5	1496.5	1493.1	1498.2
5°	1501.5	1494.8	1494.8	1493.1	1499.9
7.5°	1496.5	1491.4	1493.1	1493.1	1499.9
10°	1491.4	1488.1	1491.4	1493.1	1499.9
12.5°	1484.7	1479.7	1488.1	1491.4	1498.2
15°	1474.6	1472.9	1481.3	1488.1	1496.5
17.5°	1462.8	1461.1	1472.9	1481.3	1489.8
20°	1447.7	1447.7	1461.1	1471.2	1481.3
22.5°	1430.8	1432.5	1447.7	1459.5	1467.9
25°	1410.6	1412.3	1429.2	1440.9	1449.4
27.5°	1390.4	1390.4	1407.3	1419.1	1427.5
30°	1363.5	1366.9	1380.3	1392.1	1400.5
32.5°	1334.9	1338.3	1351.7	1361.8	1368.6
35°	1306.3	1308.0	1319.7	1326.5	1331.5
37.5°	1272.6	1272.6	1281.0	1286.1	1292.8
40°	1235.6	1233.9	1237.3	1242.3	1245.7
42.5°	1195.2	1191.8	1193.5	1198.5	1198.5
45°	1154.8	1146.4	1141.3	1146.4	1148.0
47.5°	1102.6	1099.2	1090.8	1092.5	1092.5
50°	1055.5	1043.7	1035.3	1033.6	1036.9
52.5°	1003.3	989.8	976.3	974.7	976.3
55°	946.0	930.9	917.4	915.7	919.1
57.5°	885.4	870.3	855.1	856.8	858.5
60°	821.5	803.0	786.1	791.2	794.5
62.5°	755.8	737.3	720.5	725.5	733.9
65°	685.1	668.3	651.5	661.6	666.6
67.5°	614.4	595.9	582.4	594.2	602.6
70°	540.4	520.2	508.4	523.5	530.3
72.5°	462.9	447.8	432.6	452.8	461.2
75°	383.8	365.3	360.2	377.1	383.8
77.5°	306.4	289.5	284.5	299.6	308.1
80°	223.9	213.8	208.7	218.8	223.9
82.5°	151.5	139.7	138.0	143.1	146.5
85°	90.9	80.8	77.4	77.4	79.1
87.5°	38.7	33.7	25.3	23.6	18.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)