

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: P189090

Luminaire Tested: **DRI-WD-1L30-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189090
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-1L30-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: 2946.3 lumens
Efficiency: N/A
Efficacy: 128.7 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

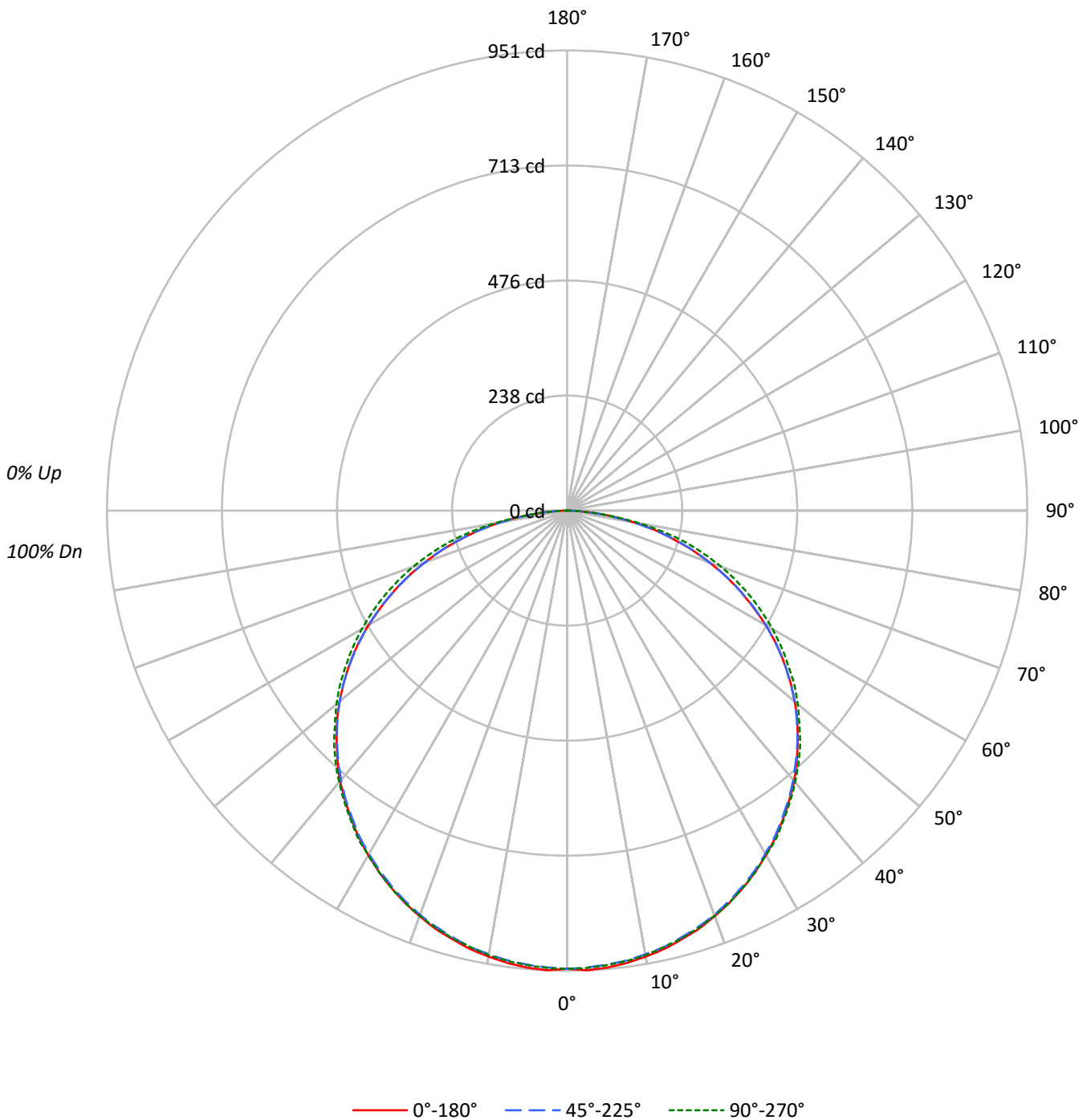
Input Watts (W): 22.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1484	1484	1484
5°	1491	1482	1484
10°	1490	1482	1485
15°	1488	1481	1485
20°	1488	1483	1486
25°	1487	1482	1487
30°	1488	1482	1488
35°	1489	1483	1492
40°	1494	1487	1500
45°	1494	1492	1509
50°	1497	1497	1517
55°	1495	1495	1525
60°	1486	1486	1536
65°	1465	1469	1546
70°	1434	1430	1549
75°	1375	1381	1532
80°	1264	1236	1381
85°	971	917	935



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.7	3.0
10°-20°	258.1	8.8
20°-30°	395.6	13.4
30°-40°	486.5	16.5
40°-50°	520.6	17.7
50°-60°	491.0	16.7
60°-70°	396.2	13.4
70°-80°	245.4	8.3
80°-90°	63.3	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°	743.4	25.2
0°-40°	1229.9	41.7
0°-60°	2241.4	76.1
0°-90°	2946.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2946.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	947	947	947	947	947	
5°	948	944	942	941	943	90
15°	917	914	913	912	915	259
25°	860	857	857	857	860	397
35°	778	776	775	777	780	487
45°	674	672	673	678	681	520
55°	547	544	547	553	558	489
65°	395	394	396	408	417	390
75°	227	226	228	243	253	240
85°	54	52	51	48	52	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	947	947	947	947	947
2.5°	951	946	945	944	946
5°	948	944	942	941	943
7.5°	943	939	938	936	939
10°	936	932	931	930	933
12.5°	928	924	924	922	924
15°	917	914	913	912	915
17.5°	906	902	902	901	904
20°	892	889	889	888	891
22.5°	877	873	874	874	877
25°	860	857	857	857	860
27.5°	842	839	839	840	842
30°	822	819	819	820	822
32.5°	801	799	799	800	804
35°	778	776	775	777	780
37.5°	754	752	752	755	757
40°	730	727	727	730	733
42.5°	702	700	700	703	708
45°	674	672	673	678	681
47.5°	645	642	644	648	651
50°	614	612	614	618	622
52.5°	581	581	581	587	592
55°	547	544	547	553	558
57.5°	512	509	511	520	525
60°	474	471	474	484	490
62.5°	434	434	436	446	454
65°	395	394	396	408	417
67.5°	355	354	355	369	378
70°	313	311	312	328	338
72.5°	271	268	272	286	296
75°	227	226	228	243	253
77.5°	185	182	183	196	204
80°	140	136	137	145	153
82.5°	97	92	93	96	100
85°	54	52	51	48	52
87.5°	21	18	15	14	15
90°	0	0	0	0	0

(END OF REPORT)