

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: P189160

Luminaire Tested: **DRI-WD-6L40-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189160
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34824)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DRI-WD-6L40-UNV-22-T1-STD
Description: DIVIDE RECESSED 2x2 LED LUMINAIRE, WaveStream DIFFUSE OPTIC
Light Source: (168) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

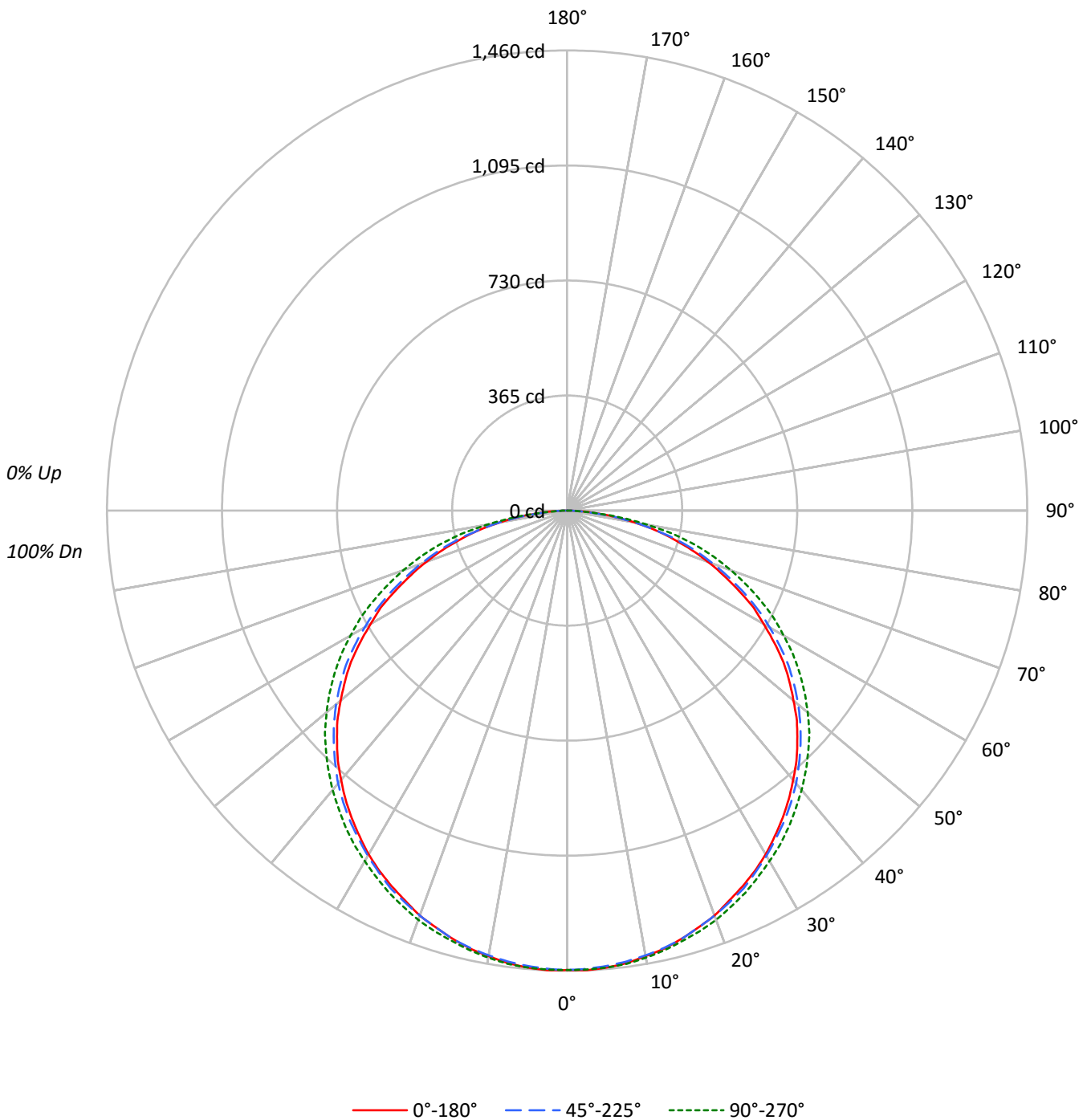
Lumens per Lamp: N/A
Luminaire Lumens: 4600.5 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.79' x L: 1.79' x H: 0')
CIE Type: Direct

Input Watts (W): 39
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	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	60	68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	54	50	48
5	74	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	38	50	43	38	49	42	38	35
7	63	50	40	34	62	49	40	34	47	39	34	46	39	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	24	36	29	24	35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4888	4888	4888
5°	4898	4882	4898
10°	4888	4880	4905
15°	4882	4882	4907
20°	4879	4879	4931
25°	4869	4896	4950
30°	4878	4897	4972
35°	4877	4917	5017
40°	4884	4948	5066
45°	4898	4967	5129
50°	4891	4993	5196
55°	4896	5010	5267
60°	4830	4977	5321
65°	4765	4920	5385
70°	4668	4835	5410
75°	4523	4681	5440
80°	4196	4242	4997
85°	3474	3101	3474



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.1	3.0
10°-20°	397.6	8.6
20°-30°	610.7	13.3
30°-40°	754.4	16.4
40°-50°	811.9	17.6
50°-60°	769.8	16.7
60°-70°	623.1	13.5
70°-80°	391.0	8.5
80°-90°	103.9	2.3
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°	1146.5	24.9
0°-40°	1900.8	41.3
0°-60°	3482.6	75.7
0°-90°	4600.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4600.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1458	1458	1458	1458	1458	
5°	1455	1453	1450	1453	1455	138
15°	1406	1404	1406	1411	1414	397
25°	1316	1318	1323	1331	1338	607
35°	1192	1194	1201	1216	1226	746
45°	1033	1035	1047	1069	1082	797
55°	837	840	857	884	901	746
65°	601	606	620	654	679	595
75°	349	349	361	396	420	368
85°	90	83	81	88	90	105
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1457.6	1457.6	1457.6	1457.6	1457.6
2.5°	1460.0	1455.1	1455.1	1457.6	1457.6
5°	1455.1	1452.7	1450.3	1452.7	1455.1
7.5°	1447.8	1442.9	1442.9	1445.4	1450.3
10°	1435.6	1433.2	1433.2	1438.1	1440.5
12.5°	1423.4	1421.0	1421.0	1425.8	1428.3
15°	1406.3	1403.9	1406.3	1411.2	1413.6
17.5°	1386.8	1386.8	1386.8	1394.1	1399.0
20°	1367.3	1364.8	1367.3	1374.6	1381.9
22.5°	1340.4	1342.8	1345.3	1355.0	1359.9
25°	1316.0	1318.4	1323.3	1330.6	1338.0
27.5°	1289.1	1289.1	1294.0	1306.2	1311.1
30°	1259.8	1259.8	1264.7	1276.9	1284.2
32.5°	1225.6	1228.1	1233.0	1250.1	1257.4
35°	1191.5	1193.9	1201.2	1215.9	1225.6
37.5°	1154.8	1157.3	1167.0	1181.7	1191.5
40°	1115.8	1120.7	1130.4	1147.5	1157.3
42.5°	1076.7	1079.2	1088.9	1108.5	1120.7
45°	1032.8	1035.2	1047.4	1069.4	1081.6
47.5°	988.8	988.8	1003.5	1027.9	1042.5
50°	937.5	942.4	957.1	981.5	996.1
52.5°	888.7	893.6	908.2	935.1	949.8
55°	837.4	839.9	857.0	883.8	900.9
57.5°	778.8	783.7	800.8	832.6	849.7
60°	720.2	727.6	742.2	774.0	793.5
62.5°	666.5	669.0	683.6	717.8	739.8
65°	600.6	605.5	620.1	654.3	678.7
67.5°	537.1	539.6	556.7	593.3	615.3
70°	476.1	481.0	493.2	532.3	551.8
72.5°	412.6	412.6	429.7	468.8	488.3
75°	349.1	349.1	361.3	395.5	419.9
77.5°	285.7	283.2	288.1	324.7	344.3
80°	217.3	212.4	219.7	241.7	258.8
82.5°	148.9	146.5	146.5	161.1	173.3
85°	90.3	83.0	80.6	87.9	90.3
87.5°	36.6	31.7	26.9	24.4	26.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)