

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: P213099

Luminaire Tested: **DSI-WD-60L830-1D-UNV-4-STD-SC-W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P213099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35735)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DSI-WD-60L830-1D-UNV-4-STD-SC-W
Description: DIVIDE 4' SUSPENDED WAVESTREAM LED LUMINAIRE
WaveStream DIFFUSE OPTIC WITH SOLID COVER, LIGHT LEVEL 5.
Light Source: (308) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5702.8 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.38 / 1.47
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

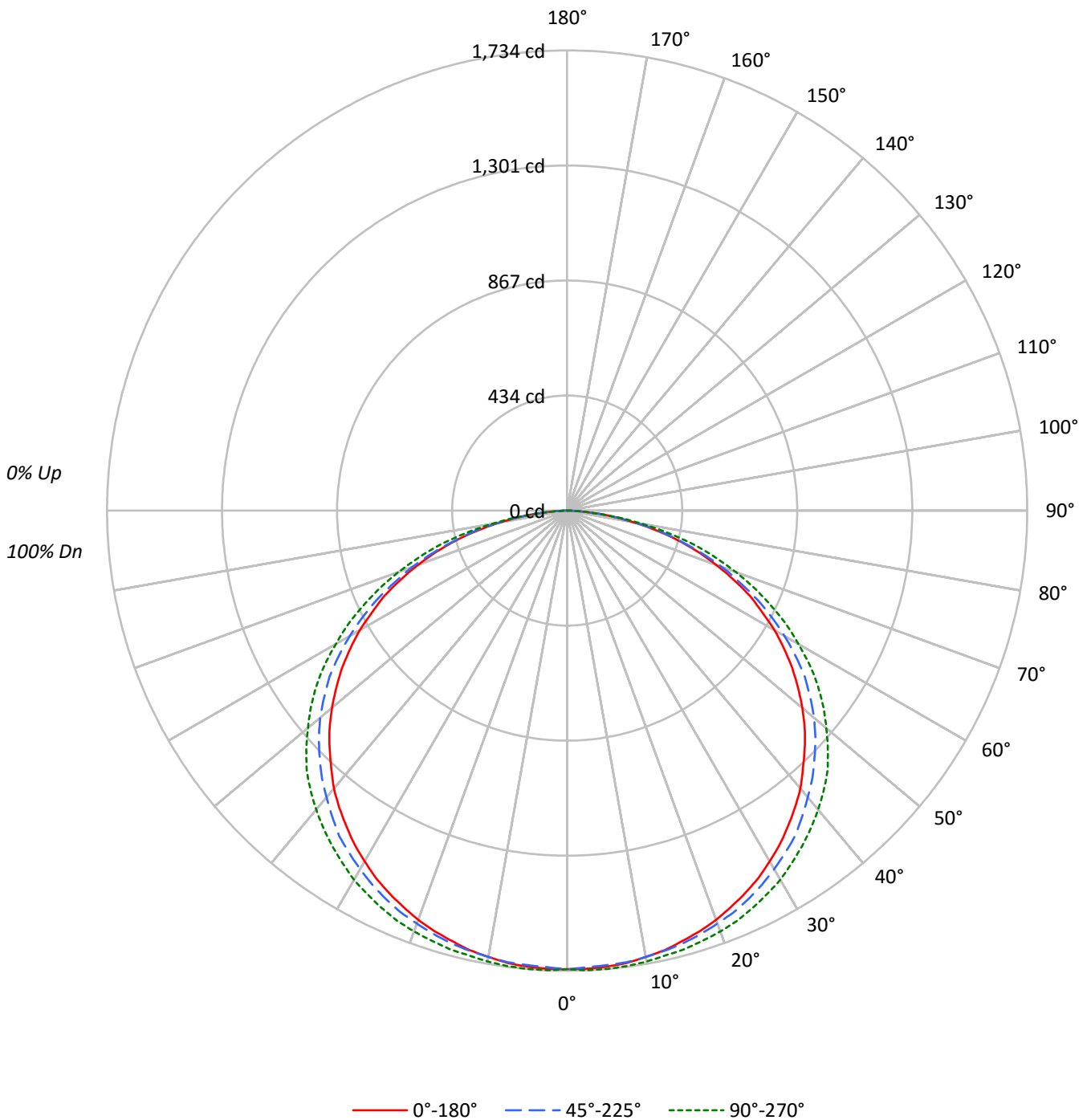
Input Watts (W): 46.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	60	68	63	58	56
4	81	68	59	52	79	67	58	52	65	57	51	62	56	50	60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	27	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5823	5823	5823
5°	5835	5815	5864
10°	5843	5843	5903
15°	5857	5887	5968
20°	5886	5938	6051
25°	5910	6006	6146
30°	5938	6072	6252
35°	5969	6159	6349
40°	6015	6205	6472
45°	6035	6283	6612
50°	6064	6367	6684
55°	6084	6423	6779
60°	6085	6377	6785
65°	6049	6280	6762
70°	5884	6110	6650
75°	5633	5709	6422
80°	4927	5037	5598
85°	3681	3681	3456



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.4	2.9
10°-20°	478.6	8.4
20°-30°	747.1	13.1
30°-40°	937.0	16.4
40°-50°	1021.2	17.9
50°-60°	975.7	17.1
60°-70°	786.2	13.8
70°-80°	476.3	8.4
80°-90°	116.4	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°	1390.1	24.4
0°-40°	2327.0	40.8
0°-60°	4324.0	75.8
0°-90°	5702.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5702.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1728	1728	1728	1728	1728	
5°	1725	1728	1719	1731	1734	164
15°	1679	1685	1688	1705	1711	475
25°	1590	1595	1616	1642	1653	733
35°	1451	1466	1497	1529	1543	909
45°	1266	1287	1318	1364	1388	977
55°	1036	1059	1093	1134	1154	924
65°	759	770	788	825	848	746
75°	433	438	438	473	493	453
85°	95	92	95	92	89	115
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1728.0	1728.0	1728.0	1728.0	1728.0
2.5°	1728.0	1728.0	1722.2	1730.9	1733.8
5°	1725.1	1728.0	1719.3	1730.9	1733.8
7.5°	1719.3	1719.3	1716.5	1725.1	1730.9
10°	1707.8	1710.7	1707.8	1719.3	1725.1
12.5°	1696.3	1699.2	1699.2	1713.6	1716.5
15°	1679.0	1684.7	1687.6	1704.9	1710.7
17.5°	1661.7	1667.4	1673.2	1693.4	1699.2
20°	1641.5	1650.1	1655.9	1679.0	1687.6
22.5°	1615.5	1624.1	1638.6	1661.7	1673.2
25°	1589.5	1595.3	1615.5	1641.5	1653.0
27.5°	1560.7	1569.3	1589.5	1618.4	1629.9
30°	1526.1	1540.5	1560.7	1592.4	1606.8
32.5°	1491.4	1505.9	1528.9	1560.7	1575.1
35°	1451.1	1465.5	1497.2	1528.9	1543.4
37.5°	1410.7	1425.1	1453.9	1491.4	1508.8
40°	1367.4	1381.8	1410.7	1453.9	1471.3
42.5°	1315.5	1335.7	1367.4	1410.7	1430.9
45°	1266.4	1286.6	1318.4	1364.5	1387.6
47.5°	1214.5	1234.7	1269.3	1315.5	1332.8
50°	1156.8	1177.0	1214.5	1257.8	1275.1
52.5°	1096.2	1122.2	1153.9	1197.2	1217.4
55°	1035.6	1058.7	1093.3	1133.7	1153.9
57.5°	969.3	986.6	1021.2	1061.6	1084.7
60°	902.9	917.4	946.2	986.6	1006.8
62.5°	827.9	845.2	868.3	908.7	931.8
65°	758.7	770.2	787.6	825.1	848.1
67.5°	677.9	686.6	701.0	744.3	764.5
70°	597.2	608.7	620.2	657.7	675.0
72.5°	516.4	525.0	530.8	562.5	585.6
75°	432.7	438.5	438.5	473.1	493.3
77.5°	343.3	346.2	354.8	377.9	389.4
80°	253.9	262.5	259.6	276.9	288.5
82.5°	170.2	170.2	170.2	178.9	184.6
85°	95.2	92.3	95.2	92.3	89.4
87.5°	31.7	37.5	26.0	20.2	17.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)