

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: P213109

Luminaire Tested: **DSI-WD-60L840-1D-UNV-4-STD-SC-W**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P213109  
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-60L840-1D-UNV-4-STD-SC-W  
Description: DIVIDE 4' SUSPENDED WAVESTREAM LED LUMINAIRE  
WaveStream DIFFUSE OPTIC WITH SOLID COVER, LIGHT LEVEL 5.  
Light Source: (308) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6045.0 lumens  
Efficiency: N/A  
Efficacy: 129.4 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

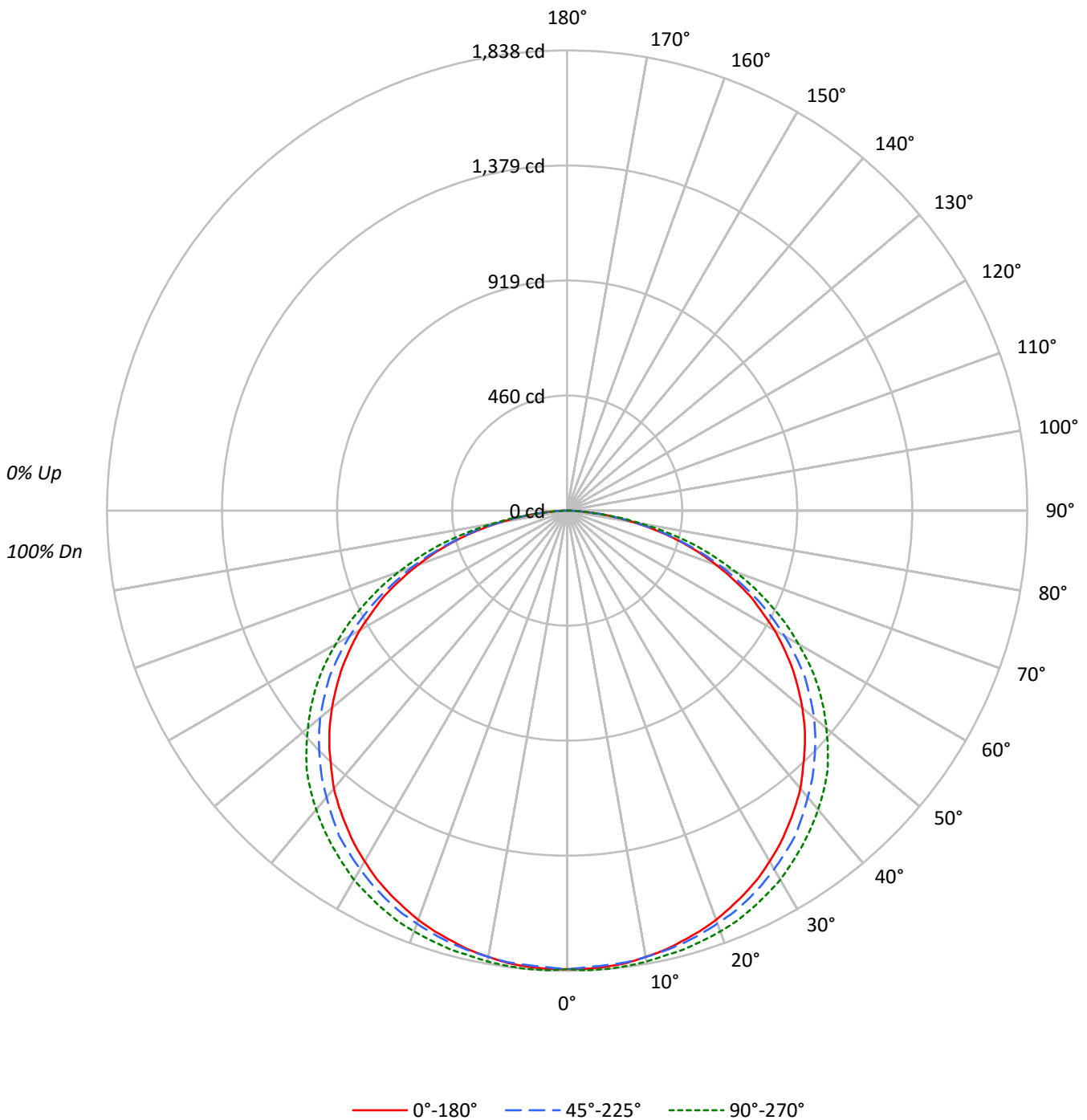
Input Watts (W): 46.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	6172	6172	6172
5°	6185	6165	6216
10°	6194	6194	6257
15°	6208	6240	6326
20°	6239	6294	6415
25°	6264	6367	6515
30°	6294	6437	6627
35°	6327	6528	6730
40°	6375	6577	6860
45°	6397	6660	7009
50°	6428	6749	7085
55°	6449	6808	7186
60°	6450	6759	7192
65°	6412	6656	7168
70°	6236	6477	7049
75°	5972	6051	6808
80°	5222	5340	5934
85°	3901	3901	3665



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.3	2.9
10°-20°	507.3	8.4
20°-30°	791.9	13.1
30°-40°	993.2	16.4
40°-50°	1082.5	17.9
50°-60°	1034.3	17.1
60°-70°	833.4	13.8
70°-80°	504.8	8.4
80°-90°	123.4	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°	1473.5	24.4
0°-40°	2466.6	40.8
0°-60°	4583.4	75.8
0°-90°	6045.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6045.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1832	1832	1832	1832	1832	
5°	1829	1832	1822	1835	1838	174
15°	1780	1786	1789	1807	1813	503
25°	1685	1691	1712	1740	1752	777
35°	1538	1553	1587	1621	1636	963
45°	1342	1364	1398	1446	1471	1036
55°	1098	1122	1159	1202	1223	980
65°	804	816	835	875	899	791
75°	459	465	465	502	523	480
85°	101	98	101	98	95	122
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1831.7	1831.7	1831.7	1831.7	1831.7
2.5°	1831.7	1831.7	1825.6	1834.7	1837.8
5°	1828.6	1831.7	1822.5	1834.7	1837.8
7.5°	1822.5	1822.5	1819.4	1828.6	1834.7
10°	1810.3	1813.3	1810.3	1822.5	1828.6
12.5°	1798.0	1801.1	1801.1	1816.4	1819.4
15°	1779.7	1785.8	1788.9	1807.2	1813.3
17.5°	1761.3	1767.5	1773.6	1795.0	1801.1
20°	1739.9	1749.1	1755.2	1779.7	1788.9
22.5°	1712.4	1721.6	1736.9	1761.3	1773.6
25°	1684.9	1691.0	1712.4	1739.9	1752.2
27.5°	1654.3	1663.5	1684.9	1715.5	1727.7
30°	1617.6	1632.9	1654.3	1688.0	1703.2
32.5°	1580.9	1596.2	1620.7	1654.3	1669.6
35°	1538.1	1553.4	1587.0	1620.7	1636.0
37.5°	1495.3	1510.6	1541.2	1580.9	1599.3
40°	1449.4	1464.7	1495.3	1541.2	1559.5
42.5°	1394.4	1415.8	1449.4	1495.3	1516.7
45°	1342.4	1363.8	1397.5	1446.4	1470.8
47.5°	1287.4	1308.8	1345.5	1394.4	1412.7
50°	1226.2	1247.6	1287.4	1333.2	1351.6
52.5°	1162.0	1189.5	1223.2	1269.0	1290.4
55°	1097.8	1122.2	1158.9	1201.8	1223.2
57.5°	1027.5	1045.8	1082.5	1125.3	1149.8
60°	957.1	972.4	1003.0	1045.8	1067.2
62.5°	877.6	896.0	920.4	963.2	987.7
65°	804.2	816.5	834.8	874.6	899.0
67.5°	718.6	727.8	743.1	788.9	810.3
70°	633.0	645.2	657.4	697.2	715.5
72.5°	547.4	556.5	562.7	596.3	620.8
75°	458.7	464.8	464.8	501.5	522.9
77.5°	363.9	366.9	376.1	400.6	412.8
80°	269.1	278.3	275.2	293.6	305.8
82.5°	180.4	180.4	180.4	189.6	195.7
85°	100.9	97.9	100.9	97.9	94.8
87.5°	33.6	39.8	27.5	21.4	18.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)