

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: P213104

Luminaire Tested: **DSI-WD-60L835-1D-UNV-4-STD-SC-W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P213104
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-60L835-1D-UNV-4-STD-SC-W
Description: DIVIDE 4' SUSPENDED WAVESTREAM LED LUMINAIRE
WaveStream DIFFUSE OPTIC WITH SOLID COVER, LIGHT LEVEL 5.
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5973.3 lumens
Efficiency: N/A
Efficacy: 127.9 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

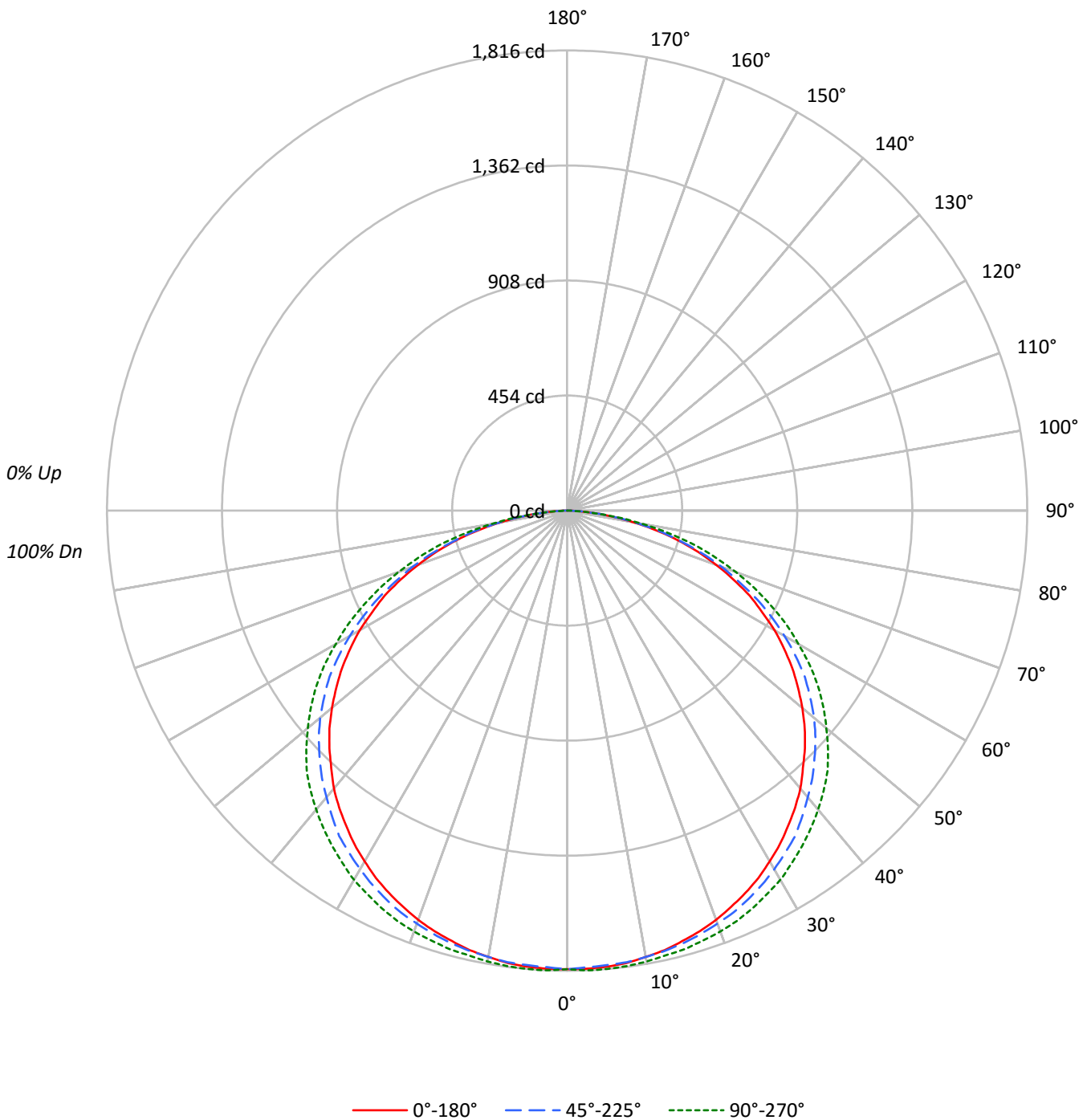
Input Watts (W): 46.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	6099	6099	6099
5°	6112	6091	6143
10°	6120	6120	6182
15°	6135	6166	6251
20°	6165	6219	6338
25°	6190	6291	6437
30°	6219	6360	6548
35°	6252	6451	6649
40°	6300	6499	6778
45°	6321	6580	6926
50°	6352	6669	7001
55°	6372	6728	7100
60°	6374	6679	7106
65°	6336	6577	7082
70°	6162	6400	6965
75°	5900	5980	6727
80°	5160	5276	5864
85°	3855	3855	3623



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.2	2.9
10°-20°	501.3	8.4
20°-30°	782.5	13.1
30°-40°	981.4	16.4
40°-50°	1069.7	17.9
50°-60°	1022.0	17.1
60°-70°	823.5	13.8
70°-80°	498.8	8.4
80°-90°	121.9	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°	1456.0	24.4
0°-40°	2437.4	40.8
0°-60°	4529.0	75.8
0°-90°	5973.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5973.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1810	1810	1810	1810	1810	
5°	1807	1810	1801	1813	1816	172
15°	1759	1765	1768	1786	1792	497
25°	1665	1671	1692	1719	1731	768
35°	1520	1535	1568	1601	1616	952
45°	1326	1348	1381	1429	1453	1024
55°	1085	1109	1145	1188	1209	968
65°	795	807	825	864	888	782
75°	453	459	459	496	517	475
85°	100	97	100	97	94	121
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1809.9	1809.9	1809.9	1809.9	1809.9
2.5°	1809.9	1809.9	1803.9	1812.9	1816.0
5°	1806.9	1809.9	1800.9	1812.9	1816.0
7.5°	1800.9	1800.9	1797.8	1806.9	1812.9
10°	1788.8	1791.8	1788.8	1800.9	1806.9
12.5°	1776.7	1779.7	1779.7	1794.8	1797.8
15°	1758.6	1764.6	1767.6	1785.8	1791.8
17.5°	1740.4	1746.5	1752.5	1773.7	1779.7
20°	1719.3	1728.3	1734.4	1758.6	1767.6
22.5°	1692.1	1701.1	1716.3	1740.4	1752.5
25°	1664.9	1670.9	1692.1	1719.3	1731.4
27.5°	1634.7	1643.7	1664.9	1695.1	1707.2
30°	1598.4	1613.5	1634.7	1667.9	1683.0
32.5°	1562.2	1577.3	1601.4	1634.7	1649.8
35°	1519.9	1535.0	1568.2	1601.4	1616.5
37.5°	1477.6	1492.7	1522.9	1562.2	1580.3
40°	1432.2	1447.3	1477.6	1522.9	1541.0
42.5°	1377.8	1399.0	1432.2	1477.6	1498.7
45°	1326.5	1347.6	1380.9	1429.2	1453.4
47.5°	1272.1	1293.2	1329.5	1377.8	1396.0
50°	1211.7	1232.8	1272.1	1317.4	1335.5
52.5°	1148.2	1175.4	1208.6	1254.0	1275.1
55°	1084.7	1108.9	1145.2	1187.5	1208.6
57.5°	1015.3	1033.4	1069.6	1111.9	1136.1
60°	945.8	960.9	991.1	1033.4	1054.5
62.5°	867.2	885.3	909.5	951.8	976.0
65°	794.7	806.8	824.9	864.2	888.3
67.5°	710.1	719.1	734.2	779.6	800.7
70°	625.5	637.6	649.6	688.9	707.0
72.5°	540.9	549.9	556.0	589.2	613.4
75°	453.2	459.3	459.3	495.5	516.7
77.5°	359.6	362.6	371.7	395.8	407.9
80°	265.9	275.0	271.9	290.1	302.2
82.5°	178.3	178.3	178.3	187.3	193.4
85°	99.7	96.7	99.7	96.7	93.7
87.5°	33.2	39.3	27.2	21.2	18.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)