

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: P213048

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P213048
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35731)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DSI-WS-60L835-1D-UNV-4-STD-SC-W
Description: DIVIDE 4' SUSPENDED WAVESTREAM LED LUMINAIRE
WaveStream SPECULAR 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: 5796.9 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.4 / 1.49
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

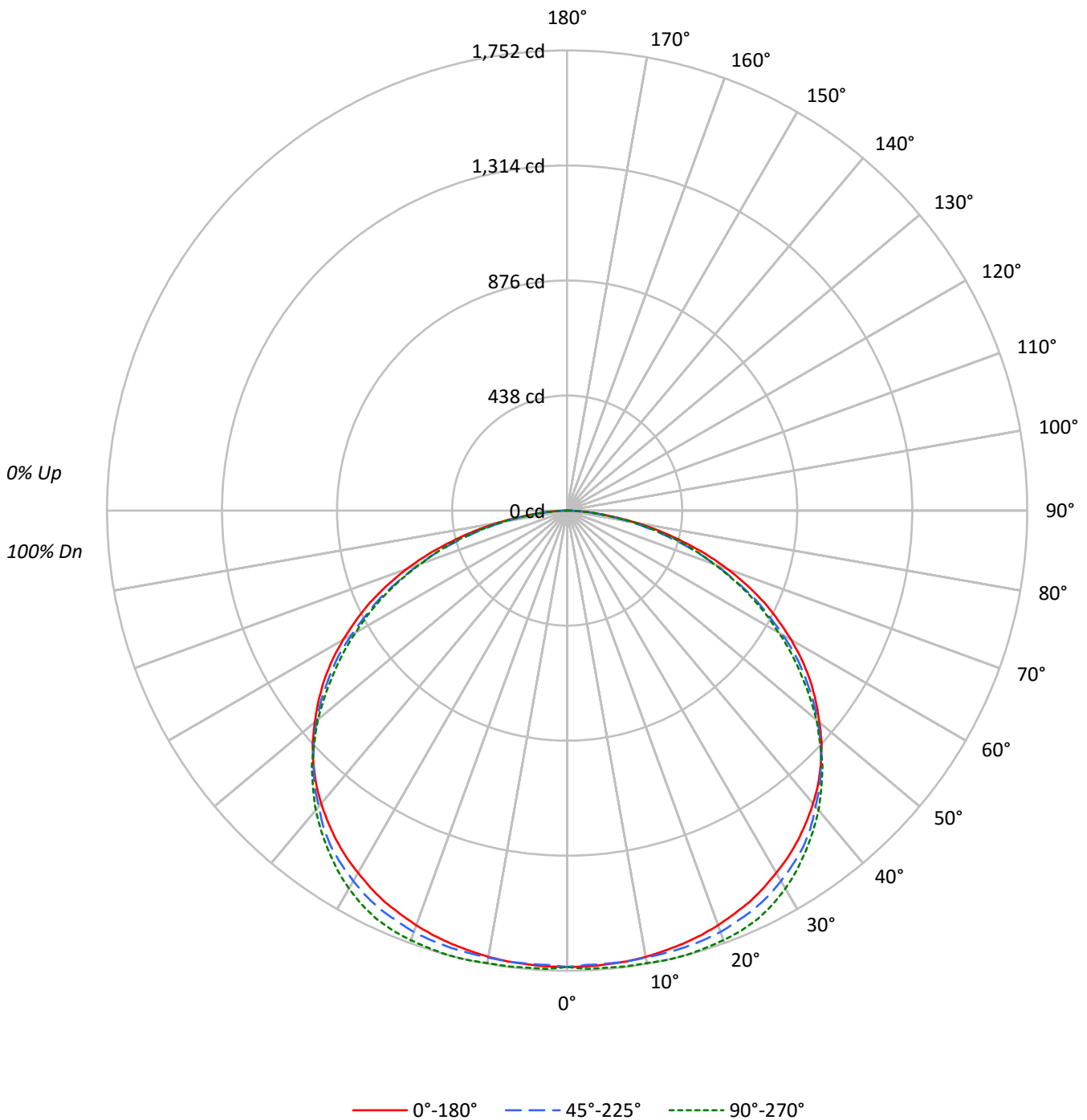
Input Watts (W): 46.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	87	76	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	58	52	63	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	43	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	39	34	46	39	34	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	37	30	24	36	29	24	36	29	24	35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5854	5854	5854
5°	5867	5856	5907
10°	5903	5913	5986
15°	5955	6008	6113
20°	6024	6122	6241
25°	6111	6235	6381
30°	6196	6337	6466
35°	6301	6438	6513
40°	6406	6473	6552
45°	6508	6508	6551
50°	6574	6526	6494
55°	6639	6497	6390
60°	6638	6394	6271
65°	6601	6240	6143
70°	6400	5894	5864
75°	5941	5390	5586
80°	5160	4632	4867
85°	3739	3623	3739



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.8	2.9
10°-20°	488.8	8.4
20°-30°	774.5	13.4
30°-40°	976.9	16.9
40°-50°	1055.3	18.2
50°-60°	989.8	17.1
60°-70°	779.5	13.4
70°-80°	453.6	7.8
80°-90°	112.6	1.9
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°	1429.1	24.7
0°-40°	2406.0	41.5
0°-60°	4451.1	76.8
0°-90°	5796.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5796.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1737	1737	1737	1737	1737	
5°	1734	1737	1731	1743	1746	165
15°	1707	1713	1722	1743	1752	483
25°	1644	1656	1677	1704	1716	758
35°	1532	1544	1565	1580	1583	959
45°	1366	1369	1366	1372	1375	1053
55°	1130	1127	1106	1094	1088	1008
65°	828	813	783	774	770	815
75°	456	441	414	423	429	483
85°	97	97	94	97	97	121
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1737.4	1737.4	1737.4	1737.4	1737.4
2.5°	1737.4	1737.4	1731.4	1740.4	1746.5
5°	1734.4	1737.4	1731.4	1743.4	1746.5
7.5°	1731.4	1731.4	1731.4	1743.4	1749.5
10°	1725.3	1728.3	1728.3	1746.5	1749.5
12.5°	1716.3	1722.3	1725.3	1743.4	1752.5
15°	1707.2	1713.2	1722.3	1743.4	1752.5
17.5°	1695.1	1704.2	1716.3	1740.4	1746.5
20°	1680.0	1689.1	1707.2	1734.4	1740.4
22.5°	1661.9	1677.0	1692.1	1719.3	1731.4
25°	1643.7	1655.8	1677.0	1704.2	1716.3
27.5°	1619.6	1634.7	1655.8	1680.0	1692.1
30°	1592.4	1610.5	1628.6	1655.8	1661.9
32.5°	1565.2	1580.3	1598.4	1619.6	1625.6
35°	1531.9	1544.0	1565.2	1580.3	1583.3
37.5°	1495.7	1507.8	1522.9	1535.0	1538.0
40°	1456.4	1465.5	1471.5	1483.6	1489.6
42.5°	1414.1	1420.1	1423.2	1429.2	1432.2
45°	1365.8	1368.8	1365.8	1371.8	1374.8
47.5°	1314.4	1314.4	1308.3	1308.3	1305.3
50°	1254.0	1254.0	1244.9	1238.8	1238.8
52.5°	1193.5	1193.5	1178.4	1169.3	1163.3
55°	1130.1	1127.0	1105.9	1093.8	1087.8
57.5°	1060.6	1054.5	1033.4	1015.2	1012.2
60°	985.0	976.0	948.8	936.7	930.6
62.5°	906.5	894.4	864.2	855.1	852.1
65°	827.9	812.8	782.6	773.5	770.5
67.5°	740.3	722.2	688.9	682.9	682.9
70°	649.6	628.5	598.3	598.3	595.2
72.5°	556.0	537.8	507.6	513.7	513.7
75°	456.3	441.1	414.0	423.0	429.1
77.5°	362.6	338.4	326.3	335.4	335.4
80°	265.9	250.8	238.7	241.7	250.8
82.5°	172.2	166.2	160.1	163.2	163.2
85°	96.7	96.7	93.7	96.7	96.7
87.5°	42.3	42.3	30.2	18.1	18.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)