

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: P213043

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P213043
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-60L830-1D-UNV-4-STD-SC-W
Description: DIVIDE 4' SUSPENDED WAVESTREAM LED LUMINAIRE
WaveStream SPECULAR OPTIC WITH SOLID COVER, LIGHT LEVEL 5.
Light Source: (308) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5534.5 lumens
Efficiency: N/A
Efficacy: 118.5 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

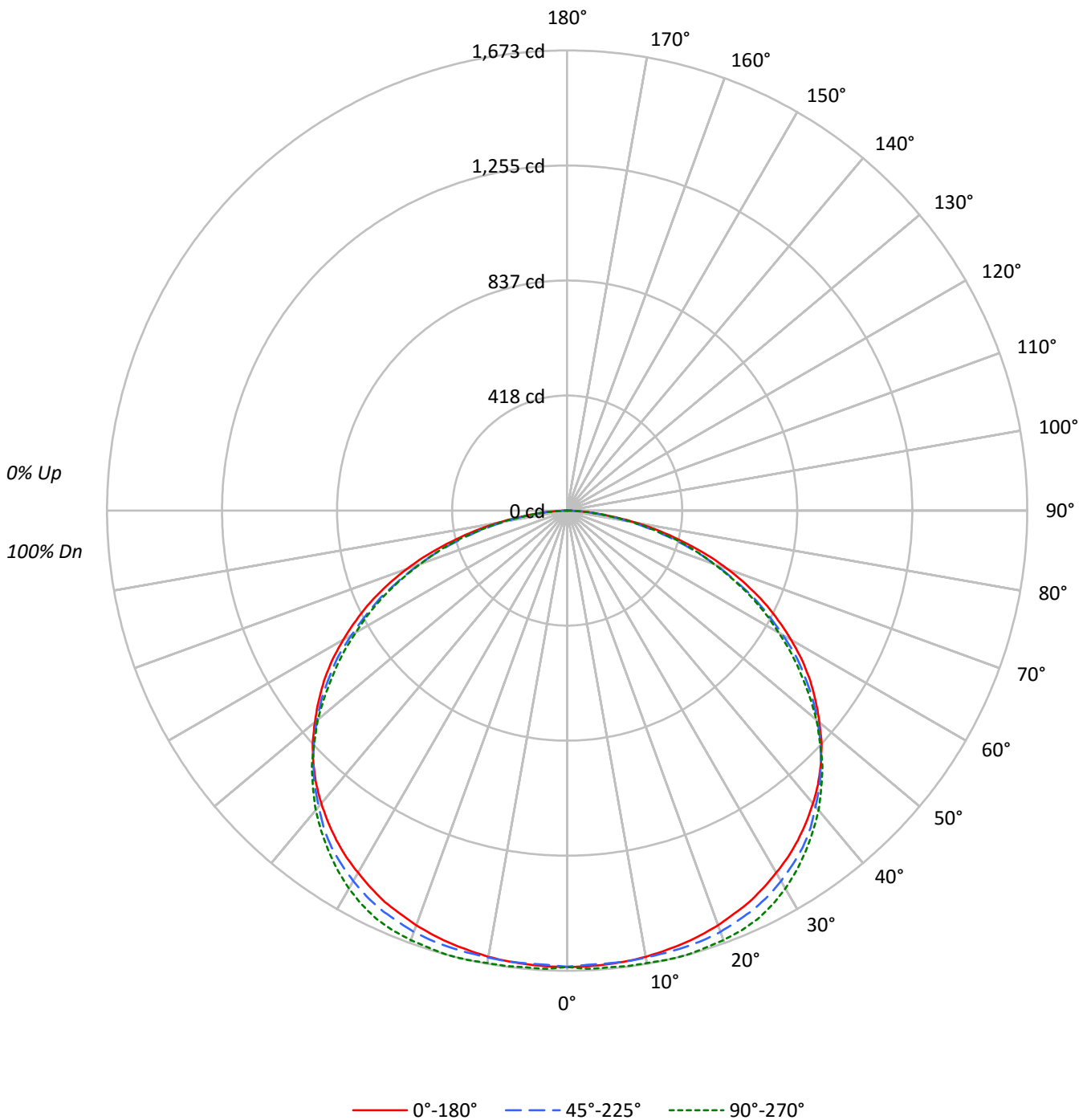
Input Watts (W): 46.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5589	5589	5589
5°	5601	5591	5640
10°	5636	5646	5715
15°	5686	5736	5837
20°	5752	5845	5958
25°	5835	5953	6092
30°	5915	6050	6173
35°	6016	6147	6218
40°	6116	6180	6256
45°	6213	6213	6255
50°	6276	6230	6200
55°	6338	6202	6101
60°	6337	6104	5988
65°	6302	5957	5865
70°	6110	5627	5599
75°	5671	5145	5333
80°	4927	4422	4645
85°	3568	3456	3568



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.3	2.9
10°-20°	466.6	8.4
20°-30°	739.5	13.4
30°-40°	932.7	16.9
40°-50°	1007.5	18.2
50°-60°	945.0	17.1
60°-70°	744.2	13.4
70°-80°	433.1	7.8
80°-90°	107.5	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°	1364.4	24.7
0°-40°	2297.1	41.5
0°-60°	4249.6	76.8
0°-90°	5534.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5534.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1659	1659	1659	1659	1659	
5°	1656	1659	1653	1664	1667	158
15°	1630	1636	1644	1664	1673	461
25°	1569	1581	1601	1627	1639	724
35°	1463	1474	1494	1509	1512	916
45°	1304	1307	1304	1310	1313	1005
55°	1079	1076	1056	1044	1038	962
65°	790	776	747	738	736	778
75°	436	421	395	404	410	461
85°	92	92	89	92	92	115
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1658.8	1658.8	1658.8	1658.8	1658.8
2.5°	1658.8	1658.8	1653.0	1661.6	1667.4
5°	1655.9	1658.8	1653.0	1664.5	1667.4
7.5°	1653.0	1653.0	1653.0	1664.5	1670.3
10°	1647.2	1650.1	1650.1	1667.4	1670.3
12.5°	1638.6	1644.3	1647.2	1664.5	1673.2
15°	1629.9	1635.7	1644.3	1664.5	1673.2
17.5°	1618.4	1627.0	1638.6	1661.6	1667.4
20°	1604.0	1612.6	1629.9	1655.9	1661.6
22.5°	1586.6	1601.1	1615.5	1641.5	1653.0
25°	1569.3	1580.9	1601.1	1627.0	1638.6
27.5°	1546.3	1560.7	1580.9	1604.0	1615.5
30°	1520.3	1537.6	1554.9	1580.9	1586.6
32.5°	1494.3	1508.8	1526.1	1546.3	1552.0
35°	1462.6	1474.1	1494.3	1508.8	1511.6
37.5°	1428.0	1439.5	1453.9	1465.5	1468.4
40°	1390.5	1399.1	1404.9	1416.4	1422.2
42.5°	1350.1	1355.9	1358.7	1364.5	1367.4
45°	1303.9	1306.8	1303.9	1309.7	1312.6
47.5°	1254.9	1254.9	1249.1	1249.1	1246.2
50°	1197.2	1197.2	1188.5	1182.8	1182.8
52.5°	1139.5	1139.5	1125.1	1116.4	1110.6
55°	1078.9	1076.0	1055.8	1044.3	1038.5
57.5°	1012.6	1006.8	986.6	969.3	966.4
60°	940.4	931.8	905.8	894.3	888.5
62.5°	865.4	853.9	825.1	816.4	813.5
65°	790.4	776.0	747.2	738.5	735.6
67.5°	706.8	689.5	657.7	652.0	652.0
70°	620.2	600.0	571.2	571.2	568.3
72.5°	530.8	513.5	484.6	490.4	490.4
75°	435.6	421.2	395.2	403.9	409.6
77.5°	346.2	323.1	311.6	320.2	320.2
80°	253.9	239.4	227.9	230.8	239.4
82.5°	164.4	158.7	152.9	155.8	155.8
85°	92.3	92.3	89.4	92.3	92.3
87.5°	40.4	40.4	28.8	17.3	17.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)