

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: P213053

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P213053
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-60L840-1D-UNV-4-STD-SC-W
Description: DIVIDE 4' SUSPENDED WAVESTREAM LED LUMINAIRE
WaveStream SPECULAR OPTIC WITH SOLID COVER, LIGHT LEVEL 5.
Light Source: (308) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5866.6 lumens
Efficiency: N/A
Efficacy: 125.6 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

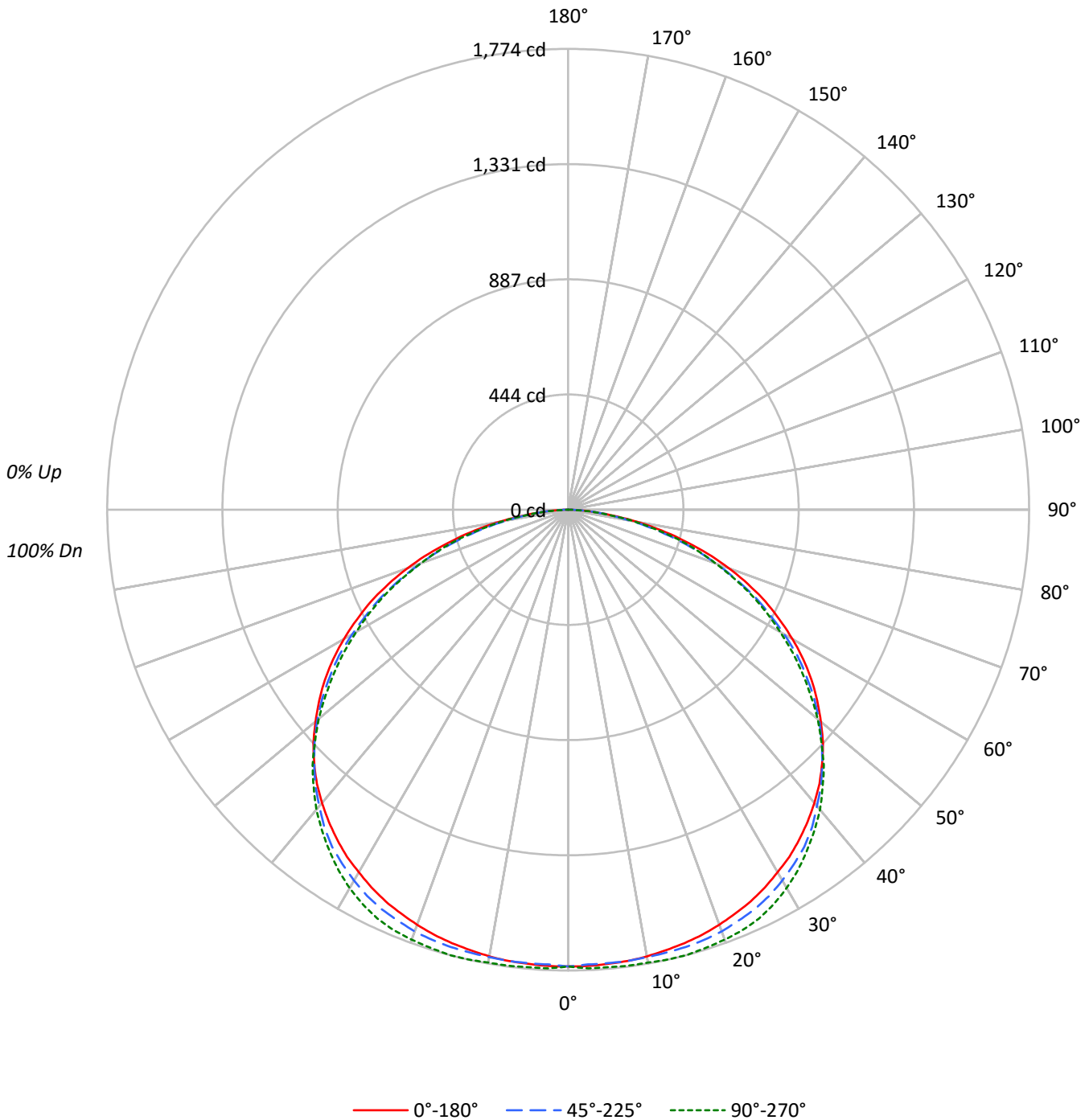
Input Watts (W): 46.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P213053

CATALOG NUMBER: DSI-WS-60L840-1D-UNV-4-STD-SC-W

Luminous Intensity Polar Plot





TEST NUMBER: P213053

CATALOG NUMBER: DSI-WS-60L840-1D-UNV-4-STD-SC-W

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°	5925	5925	5925
5°	5937	5927	5978
10°	5974	5985	6058
15°	6027	6080	6187
20°	6097	6195	6316
25°	6185	6310	6458
30°	6270	6413	6544
35°	6378	6516	6591
40°	6483	6550	6631
45°	6587	6587	6630
50°	6652	6605	6572
55°	6719	6575	6467
60°	6718	6471	6347
65°	6681	6315	6217
70°	6477	5965	5935
75°	6011	5454	5653
80°	5222	4688	4925
85°	3785	3665	3785



TEST NUMBER: P213053

CATALOG NUMBER: DSI-WS-60L840-1D-UNV-4-STD-SC-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.8	2.9
10°-20°	494.6	8.4
20°-30°	783.8	13.4
30°-40°	988.7	16.9
40°-50°	1068.0	18.2
50°-60°	1001.7	17.1
60°-70°	788.9	13.4
70°-80°	459.1	7.8
80°-90°	114.0	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°	1446.2	24.7
0°-40°	2434.9	41.5
0°-60°	4504.6	76.8
0°-90°	5866.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5866.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1758	1758	1758	1758	1758	
5°	1755	1758	1752	1764	1768	167
15°	1728	1734	1743	1764	1774	489
25°	1664	1676	1697	1725	1737	767
35°	1550	1563	1584	1599	1602	971
45°	1382	1385	1382	1388	1391	1066
55°	1144	1141	1119	1107	1101	1020
65°	838	823	792	783	780	825
75°	462	446	419	428	434	489
85°	98	98	95	98	98	122
90°	0	0	0	0	0	



TEST NUMBER: P213053

CATALOG NUMBER: DSI-WS-60L840-1D-UNV-4-STD-SC-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1758.3	1758.3	1758.3	1758.3	1758.3
2.5°	1758.3	1758.3	1752.2	1761.3	1767.5
5°	1755.2	1758.3	1752.2	1764.4	1767.5
7.5°	1752.2	1752.2	1752.2	1764.4	1770.5
10°	1746.1	1749.1	1749.1	1767.5	1770.5
12.5°	1736.9	1743.0	1746.1	1764.4	1773.6
15°	1727.7	1733.8	1743.0	1764.4	1773.6
17.5°	1715.5	1724.7	1736.9	1761.3	1767.5
20°	1700.2	1709.4	1727.7	1755.2	1761.3
22.5°	1681.8	1697.1	1712.4	1739.9	1752.2
25°	1663.5	1675.7	1697.1	1724.7	1736.9
27.5°	1639.0	1654.3	1675.7	1700.2	1712.4
30°	1611.5	1629.9	1648.2	1675.7	1681.8
32.5°	1584.0	1599.3	1617.6	1639.0	1645.1
35°	1550.4	1562.6	1584.0	1599.3	1602.3
37.5°	1513.7	1525.9	1541.2	1553.4	1556.5
40°	1473.9	1483.1	1489.2	1501.4	1507.5
42.5°	1431.1	1437.2	1440.3	1446.4	1449.4
45°	1382.2	1385.2	1382.2	1388.3	1391.3
47.5°	1330.2	1330.2	1324.1	1324.1	1321.0
50°	1269.0	1269.0	1259.9	1253.7	1253.7
52.5°	1207.9	1207.9	1192.6	1183.4	1177.3
55°	1143.7	1140.6	1119.2	1107.0	1100.8
57.5°	1073.3	1067.2	1045.8	1027.5	1024.4
60°	996.9	987.7	960.2	947.9	941.8
62.5°	917.4	905.1	874.6	865.4	862.3
65°	837.9	822.6	792.0	782.8	779.8
67.5°	749.2	730.8	697.2	691.1	691.1
70°	657.4	636.0	605.5	605.5	602.4
72.5°	562.7	544.3	513.7	519.8	519.8
75°	461.7	446.5	418.9	428.1	434.2
77.5°	366.9	342.5	330.3	339.4	339.4
80°	269.1	253.8	241.6	244.6	253.8
82.5°	174.3	168.2	162.1	165.1	165.1
85°	97.9	97.9	94.8	97.9	97.9
87.5°	42.8	42.8	30.6	18.3	18.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)