

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: P559676

Luminaire Tested: **DL2-BB-M-125U-075D-935-UNV-STD-W-4**

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-08
Report Number: P559676
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-13, G3-2104-222-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DL2-BB-M-125U-075D-935-UNV-STD-W-4
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

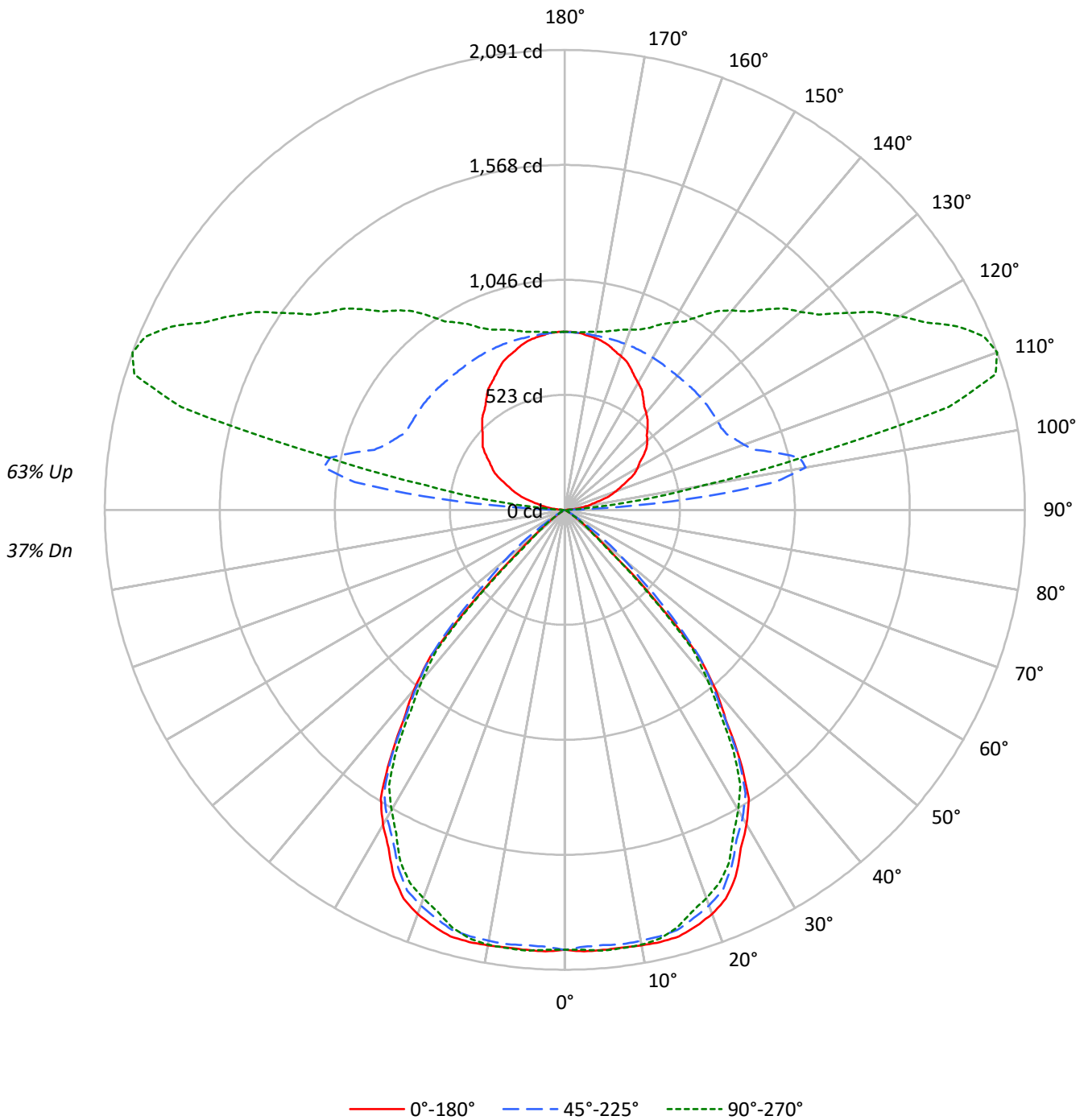
Lumens per Lamp: N/A
Luminaire Lumens: 7984.0 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 71.5
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: 24 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	50	30	10	0	
RCR																						
0	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	37				37
1	96	93	90	87	88	85	82	79	69	67	66	55	54	53	42	41	40	35				35
2	89	83	78	73	81	76	71	68	62	59	57	50	48	46	39	38	37	31				31
3	82	74	68	63	75	68	63	58	56	53	50	46	43	41	36	34	33	29				29
4	76	67	60	55	69	61	56	51	51	47	44	42	39	37	33	31	30	26				26
5	70	60	53	48	64	56	49	45	47	42	39	38	35	33	31	29	27	24				24
6	65	55	47	42	60	50	44	40	43	38	35	35	32	30	28	26	25	22				22
7	61	50	43	38	55	46	40	35	39	34	31	32	29	27	26	24	23	20				20
8	57	45	39	34	52	42	36	32	36	31	28	30	27	24	24	22	21	18				18
9	53	42	35	30	48	39	33	29	33	29	25	28	25	22	23	21	19	17				17
10	49	38	32	28	45	36	30	26	31	26	23	26	23	20	21	19	17	16				16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32301	32301	32301
5°	32554	32198	32603
10°	32964	32619	32914
15°	33558	33056	32889
20°	33601	32895	32294
25°	32771	31932	31486
30°	30805	30134	29369
35°	27340	27124	26315
40°	22424	22042	21220
45°	13369	15723	12545
50°	4172	8724	3946
55°	1576	3099	1576
60°	97	872	32
65°	0	38	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.3	2.4
10°-20°	560.3	7.0
20°-30°	824.3	10.3
30°-40°	842.5	10.6
40°-50°	485.4	6.1
50°-60°	83.7	1.0
60°-70°	3.0	0.0
70°-80°	0.0	0.0
80°-90°	1.2	0.0
90°-100°	309.5	3.9
100°-110°	1007.8	12.6
110°-120°	996.9	12.5
120°-130°	814.6	10.2
130°-140°	665.8	8.3
140°-150°	518.6	6.5
150°-160°	373.8	4.7
160°-170°	228.5	2.9
170°-180°	77.1	1.0
0°-30°	1575.9	19.7
0°-40°	2418.4	30.3
0°-60°	2987.5	37.4
0°-90°	2991.7	37.5
90°-120°	2314.2	29.0
90°-150°	4313.2	54.0
90°-180°	4993.0	62.5
0°-180°	7984.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2001	2001	2001	2001	2001	
5°	2009	2004	1987	2014	2012	192
15°	2008	2024	1978	1980	1968	565
25°	1840	1856	1792	1774	1767	839
35°	1387	1398	1376	1350	1335	857
45°	586	673	689	650	549	453
55°	56	64	110	62	56	59
65°	0	0	1	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	3	7	6	6	2
95°	42	127	567	202	124	49
105°	171	247	998	1907	1806	183
115°	316	378	813	1676	1972	313
125°	440	490	802	1323	1560	392
135°	532	587	798	1142	1288	411
145°	621	667	796	984	1077	389
155°	709	732	801	881	914	326
165°	773	780	803	833	843	218
175°	806	806	806	812	810	76
180°	809	809	809	809	809	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2000.6	2000.6	2000.6	2000.6	2000.6
2.5°	2009.4	2003.9	1987.8	2006.1	2002.2
5°	2008.6	2003.7	1986.6	2013.6	2011.6
7.5°	2007.4	2004.1	1992.0	2014.1	2009.2
10°	2010.6	2009.6	1989.6	2012.5	2007.6
12.5°	2012.2	2018.3	1987.2	2005.2	1996.4
15°	2007.6	2024.2	1977.6	1980.3	1967.6
17.5°	1985.2	2008.7	1946.6	1935.1	1917.1
20°	1955.6	1983.0	1914.5	1895.2	1879.5
22.5°	1913.9	1939.0	1873.7	1849.6	1837.1
25°	1839.5	1856.1	1792.4	1774.3	1767.4
27.5°	1734.0	1738.7	1690.8	1668.1	1659.3
30°	1652.3	1652.3	1616.3	1591.9	1575.3
32.5°	1557.0	1554.7	1529.0	1502.2	1485.6
35°	1387.1	1397.9	1376.1	1349.7	1335.1
37.5°	1203.2	1207.3	1190.8	1162.4	1150.1
40°	1063.9	1064.8	1045.8	1025.4	1006.8
42.5°	901.3	921.1	903.3	871.1	863.5
45°	585.5	672.6	688.6	650.2	549.4
47.5°	294.2	402.7	470.6	365.5	258.8
50°	166.1	230.7	347.3	193.3	157.1
52.5°	110.9	139.5	240.8	126.4	105.9
55°	56.0	63.9	110.1	61.9	56.0
57.5°	19.0	29.6	47.8	30.6	21.0
60°	3.0	12.8	27.0	9.8	1.0
62.5°	0.6	3.3	16.6	2.7	0.2
65°	0.0	0.0	1.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.6	1.4	1.2	1.2
90°	0.0	2.9	7.0	6.0	6.0
92.5°	14.3	51.5	164.6	54.3	41.8
95°	41.8	127.4	567.3	202.3	124.4
97.5°	78.6	165.8	962.9	586.4	357.9
100°	102.5	188.2	1111.8	991.4	643.0
102.5°	129.6	212.1	1093.5	1466.7	1115.2
105°	171.2	247.1	998.3	1906.7	1805.5
107.5°	216.2	287.6	907.9	1944.9	2052.2
110°	248.8	314.0	864.9	1897.5	2091.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	275.9	340.3	837.9	1812.0	2061.7
115°	316.5	377.8	813.2	1675.9	1971.7
117.5°	358.3	413.6	803.6	1551.2	1845.7
120°	382.2	436.7	801.2	1474.6	1759.7
122.5°	405.3	459.0	802.0	1408.1	1673.7
125°	439.9	490.5	802.2	1323.2	1559.7
127.5°	469.6	521.4	802.0	1259.6	1456.8
130°	488.7	541.3	801.2	1223.3	1399.4
132.5°	505.4	560.3	800.4	1189.6	1354.8
135°	531.5	587.0	798.3	1142.0	1288.0
137.5°	557.0	612.8	796.1	1093.6	1223.3
140°	575.3	628.8	795.3	1060.8	1183.4
142.5°	592.8	644.0	795.3	1029.5	1138.9
145°	621.1	666.8	796.3	983.5	1076.9
147.5°	648.6	688.3	797.7	944.4	1016.6
150°	666.9	701.9	799.2	921.1	982.4
152.5°	685.2	714.0	800.0	903.3	952.1
155°	708.7	732.0	801.2	880.6	913.7
157.5°	731.0	747.7	802.4	863.9	887.0
160°	744.5	758.1	803.2	853.4	871.9
162.5°	756.4	767.0	803.2	844.6	858.4
165°	773.4	780.2	803.2	833.3	843.0
167.5°	785.3	789.6	803.4	824.8	829.9
170°	793.3	795.2	804.2	819.2	821.1
172.5°	798.9	800.0	805.8	816.0	815.6
175°	806.2	806.2	806.2	812.1	810.2
177.5°	809.2	808.4	807.6	811.5	808.4
180°	809.2	809.2	809.2	809.2	809.2

(END OF REPORT)