

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: P506663

Luminaire Tested: **24PD-45-PR1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506663
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-45-PR1-L950
Description: 4500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

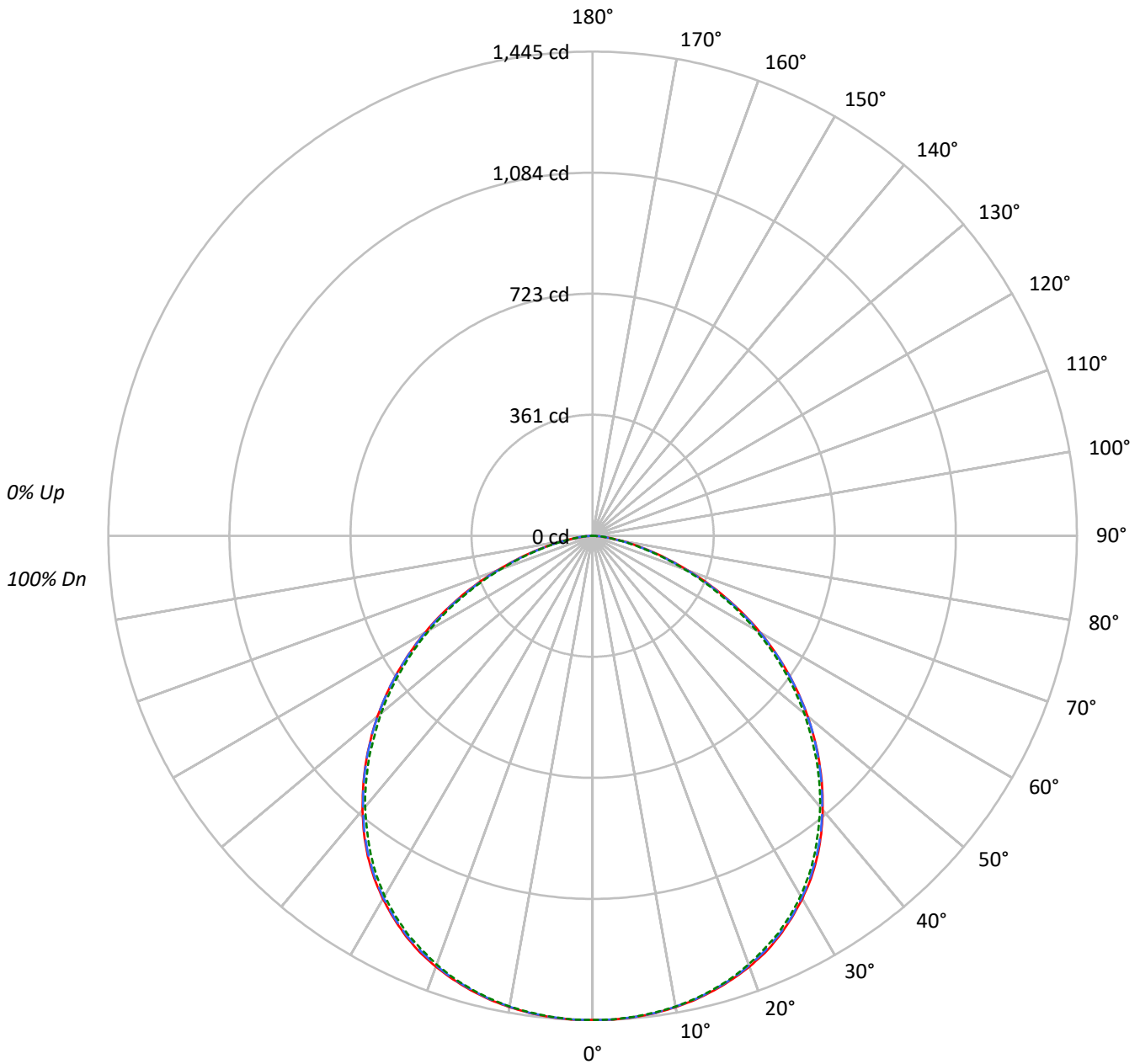
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3890.0 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 33
Input Voltage (V): NR
Input Current (A_{in}): 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				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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72				72
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61				61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52				52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46				46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40				40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35				35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32				32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28				28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26				26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1944	1944	1944
5°	1947	1947	1945
10°	1952	1950	1949
15°	1956	1953	1951
20°	1959	1955	1949
25°	1957	1952	1943
30°	1944	1939	1928
35°	1920	1914	1899
40°	1876	1871	1855
45°	1821	1818	1797
50°	1753	1752	1725
55°	1667	1663	1632
60°	1554	1548	1512
65°	1400	1383	1351
70°	1195	1177	1148
75°	945	923	902
80°	671	653	633
85°	403	392	380



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.1	3.5
10°-20°	396.0	10.2
20°-30°	605.3	15.6
30°-40°	726.9	18.7
40°-50°	734.6	18.9
50°-60°	631.2	16.2
60°-70°	430.6	11.1
70°-80°	193.6	5.0
80°-90°	34.8	0.9
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°	1138.4	29.3
0°-40°	1865.3	48.0
0°-60°	3231.0	83.1
0°-90°	3890.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3890.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1445	1445	1445	1445	1445	
5°	1442	1442	1441	1440	1440	137
15°	1404	1404	1402	1401	1400	397
25°	1318	1318	1315	1310	1309	607
35°	1169	1169	1165	1158	1156	730
45°	957	959	955	949	944	737
55°	710	713	709	703	696	634
65°	440	442	434	431	424	435
75°	182	183	178	176	174	197
85°	26	26	25	25	25	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1444.9	1444.9	1444.9	1444.9	1444.9
2.5°	1445.3	1444.9	1444.5	1443.8	1444.9
5°	1441.9	1441.6	1441.2	1440.4	1440.4
7.5°	1436.7	1436.0	1436.0	1434.8	1434.5
10°	1428.5	1428.1	1427.0	1427.0	1426.6
12.5°	1418.1	1417.3	1416.2	1415.8	1415.1
15°	1403.9	1403.5	1402.0	1400.9	1400.5
17.5°	1387.8	1386.7	1385.6	1383.0	1383.0
20°	1368.4	1367.7	1365.1	1362.5	1361.0
22.5°	1346.0	1344.5	1341.6	1338.9	1336.0
25°	1318.4	1318.0	1314.7	1310.2	1309.1
27.5°	1286.3	1287.1	1283.7	1279.2	1277.0
30°	1251.2	1252.7	1247.9	1242.3	1241.2
32.5°	1212.8	1213.2	1209.1	1203.1	1200.9
35°	1169.1	1169.1	1165.4	1158.3	1156.1
37.5°	1120.6	1120.3	1118.0	1109.8	1105.7
40°	1068.0	1069.9	1065.4	1057.9	1056.1
42.5°	1013.5	1015.8	1011.7	1005.3	1001.2
45°	956.8	959.4	955.3	948.6	944.5
47.5°	898.2	900.1	897.1	888.5	882.9
50°	837.4	841.1	837.0	828.1	824.3
52.5°	774.7	778.8	774.0	767.2	760.2
55°	710.5	713.1	709.0	702.7	695.6
57.5°	644.5	649.7	643.0	635.5	629.5
60°	577.3	581.8	575.1	568.3	562.0
62.5°	509.0	512.0	504.5	500.4	493.0
65°	439.6	441.8	434.4	431.4	424.3
67.5°	370.9	372.8	365.7	361.6	357.5
70°	303.8	305.3	299.3	295.6	291.8
72.5°	240.3	240.7	235.1	234.0	229.5
75°	181.7	183.2	177.6	176.5	173.5
77.5°	130.6	131.0	127.3	126.5	123.9
80°	86.6	86.9	84.3	84.0	81.7
82.5°	52.2	52.6	50.4	50.4	48.9
85°	26.1	26.5	25.4	25.4	24.6
87.5°	9.0	9.3	9.0	9.0	8.6
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)