

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: P506707

Luminaire Tested: **24PD-55-PL1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-55-PL1-L940
Description: 5500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

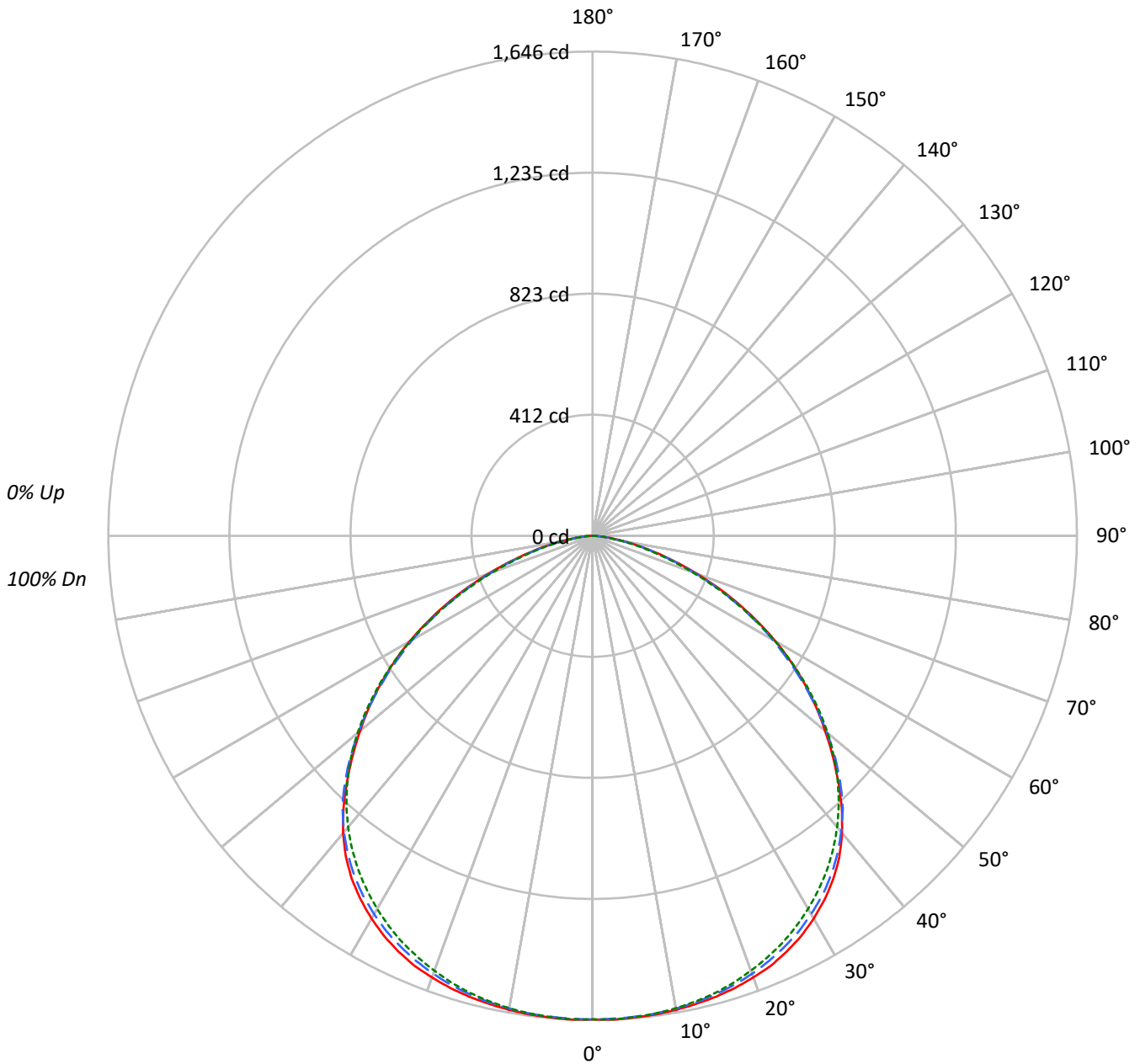
Lumens per Lamp: N/A
Luminaire Lumens: 4716.8 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 41.2
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									
RC	80									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																			
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2212	2212	2212
5°	2221	2217	2218
10°	2236	2230	2228
15°	2260	2248	2241
20°	2288	2269	2253
25°	2316	2290	2267
30°	2334	2308	2275
35°	2342	2318	2280
40°	2317	2308	2271
45°	2246	2267	2242
50°	2159	2175	2183
55°	2066	2050	2080
60°	1932	1901	1925
65°	1739	1704	1703
70°	1481	1447	1413
75°	1166	1140	1093
80°	834	810	764
85°	494	486	452



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.5	3.3
10°-20°	456.4	9.7
20°-30°	711.4	15.1
30°-40°	880.3	18.7
40°-50°	912.6	19.3
50°-60°	785.8	16.7
60°-70°	533.1	11.3
70°-80°	237.9	5.0
80°-90°	42.8	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°	1324.3	28.1
0°-40°	2204.6	46.7
0°-60°	3903.0	82.7
0°-90°	4716.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4716.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1644	1644	1644	1644	1644	
5°	1644	1642	1642	1642	1642	157
15°	1622	1618	1614	1610	1609	459
25°	1560	1554	1542	1531	1527	719
35°	1426	1422	1412	1396	1388	890
45°	1180	1186	1191	1187	1178	910
55°	881	881	874	884	887	785
65°	546	548	535	530	535	540
75°	224	226	219	214	210	243
85°	32	32	32	32	29	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1646.5	1642.9	1643.3	1643.8	1645.6
5°	1644.2	1642.0	1641.5	1641.5	1642.0
7.5°	1641.5	1638.8	1638.4	1637.9	1637.9
10°	1636.6	1633.9	1632.1	1631.2	1630.7
12.5°	1629.8	1626.7	1624.4	1622.6	1621.3
15°	1622.2	1617.7	1614.1	1610.5	1609.1
17.5°	1611.4	1607.3	1601.0	1595.1	1592.9
20°	1597.8	1593.8	1584.8	1576.7	1573.5
22.5°	1582.1	1576.2	1565.0	1556.0	1551.5
25°	1560.0	1554.2	1542.5	1531.2	1526.7
27.5°	1534.4	1529.0	1516.4	1502.9	1497.4
30°	1502.4	1498.8	1485.3	1470.4	1464.6
32.5°	1466.8	1463.2	1451.5	1434.9	1428.1
35°	1425.9	1421.8	1411.5	1396.1	1388.0
37.5°	1377.2	1375.9	1366.0	1350.2	1342.6
40°	1319.2	1321.9	1314.2	1300.7	1293.0
42.5°	1253.0	1258.8	1258.8	1246.2	1238.6
45°	1180.5	1185.9	1191.3	1186.8	1178.2
47.5°	1106.2	1112.1	1118.4	1120.2	1113.0
50°	1031.5	1035.1	1039.1	1047.2	1042.7
52.5°	957.2	958.5	957.2	968.0	967.1
55°	880.6	881.1	873.9	883.8	886.9
57.5°	801.0	802.3	790.6	796.0	802.8
60°	718.1	719.5	706.4	707.3	715.4
62.5°	632.6	634.4	621.3	618.2	625.4
65°	546.1	548.4	535.3	529.5	534.9
67.5°	460.1	462.8	450.7	443.5	444.8
70°	376.4	378.6	367.8	361.1	359.3
72.5°	296.7	298.9	290.4	283.6	280.5
75°	224.2	226.0	219.3	214.3	210.3
77.5°	161.2	162.5	157.1	153.5	149.5
80°	107.6	108.1	104.5	102.2	98.6
82.5°	64.4	64.8	62.6	61.7	59.0
85°	32.0	32.4	31.5	31.5	29.3
87.5°	11.3	10.8	11.3	11.3	9.9
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)