

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: P506716

Luminaire Tested: **24PD-55-PR1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506716
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-55-PR1-L940
Description: 5500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

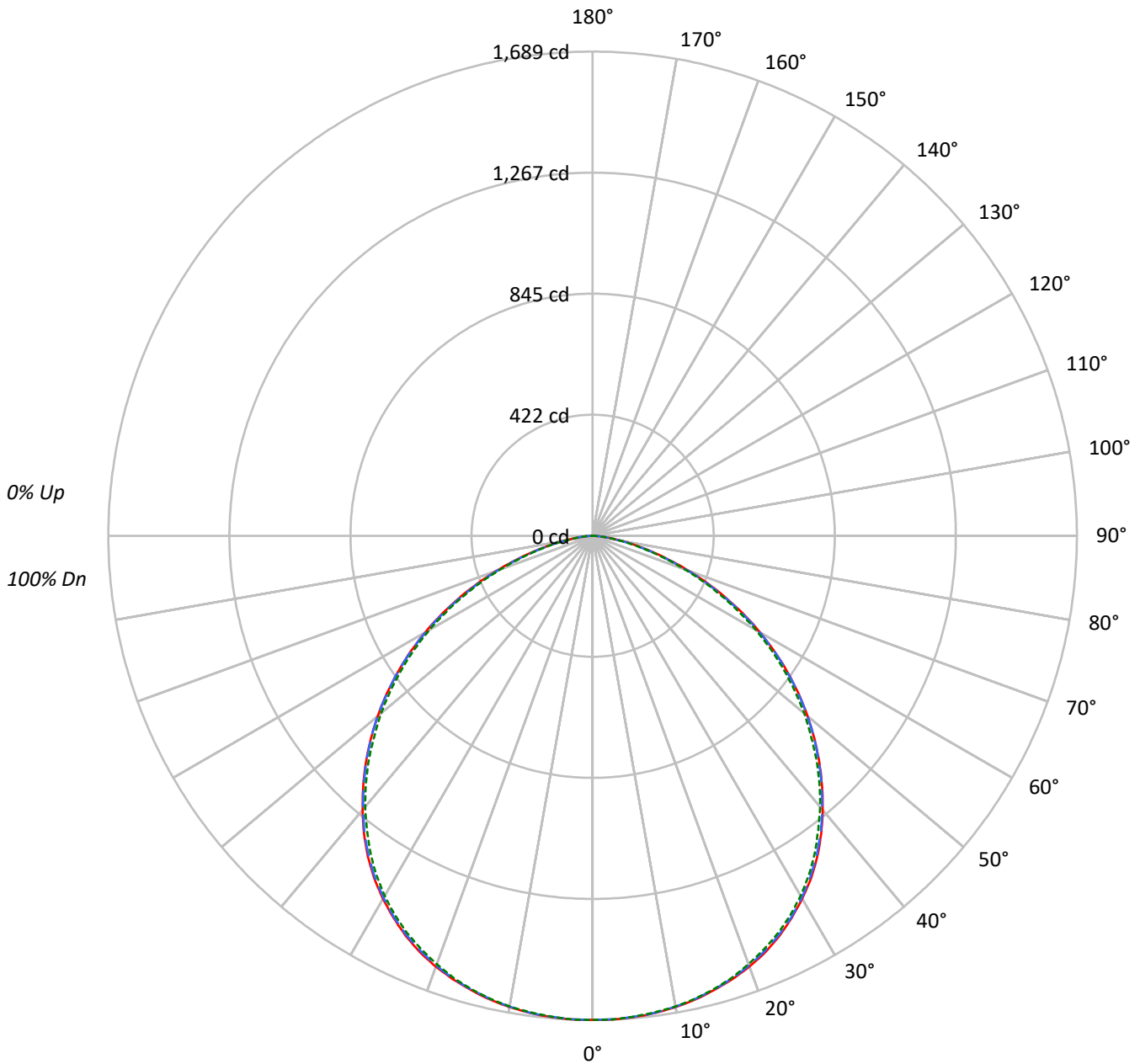
Lumens per Lamp: N/A
Luminaire Lumens: 4546.0 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 41.2
Input Voltage (V): NR
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									
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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40																			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35																			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28																			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2272	2272	2272
5°	2276	2275	2274
10°	2281	2278	2278
15°	2285	2282	2280
20°	2290	2284	2277
25°	2287	2281	2271
30°	2272	2266	2254
35°	2244	2237	2219
40°	2192	2187	2168
45°	2128	2124	2100
50°	2048	2048	2017
55°	1948	1944	1907
60°	1816	1808	1767
65°	1635	1616	1578
70°	1397	1376	1341
75°	1104	1079	1054
80°	784	764	740
85°	471	459	445



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.3	3.5
10°-20°	462.7	10.2
20°-30°	707.4	15.6
30°-40°	849.5	18.7
40°-50°	858.5	18.9
50°-60°	737.6	16.2
60°-70°	503.2	11.1
70°-80°	226.2	5.0
80°-90°	40.7	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°	1330.4	29.3
0°-40°	2179.9	48.0
0°-60°	3775.9	83.1
0°-90°	4546.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4546.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1689	1689	1689	1689	1689	
5°	1685	1685	1684	1683	1683	160
15°	1641	1640	1638	1637	1637	463
25°	1541	1540	1536	1531	1530	710
35°	1366	1366	1362	1354	1351	853
45°	1118	1121	1116	1109	1104	862
55°	830	833	829	821	813	741
65°	514	516	508	504	496	508
75°	212	214	208	206	203	230
85°	30	31	30	30	29	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1688.6	1688.6	1688.6	1688.6	1688.6
2.5°	1689.0	1688.6	1688.2	1687.3	1688.6
5°	1685.1	1684.7	1684.2	1683.4	1683.4
7.5°	1679.0	1678.1	1678.1	1676.8	1676.4
10°	1669.4	1669.0	1667.7	1667.7	1667.2
12.5°	1657.2	1656.3	1655.0	1654.6	1653.7
15°	1640.6	1640.2	1638.4	1637.1	1636.7
17.5°	1621.9	1620.6	1619.2	1616.2	1616.2
20°	1599.2	1598.3	1595.3	1592.2	1590.5
22.5°	1573.0	1571.3	1567.8	1564.7	1561.2
25°	1540.8	1540.3	1536.4	1531.2	1529.8
27.5°	1503.2	1504.1	1500.2	1495.0	1492.3
30°	1462.3	1464.0	1458.3	1451.8	1450.5
32.5°	1417.3	1417.8	1413.0	1406.0	1403.4
35°	1366.3	1366.3	1361.9	1353.7	1351.0
37.5°	1309.6	1309.2	1306.6	1297.0	1292.2
40°	1248.1	1250.3	1245.1	1236.4	1234.2
42.5°	1184.5	1187.1	1182.3	1174.9	1170.1
45°	1118.2	1121.2	1116.4	1108.6	1103.8
47.5°	1049.7	1051.9	1048.4	1038.4	1031.8
50°	978.6	983.0	978.2	967.7	963.4
52.5°	905.3	910.1	904.5	896.6	888.3
55°	830.3	833.4	828.6	821.2	812.9
57.5°	753.1	759.3	751.4	742.7	735.7
60°	674.7	679.9	672.0	664.2	656.8
62.5°	594.8	598.3	589.6	584.8	576.1
65°	513.7	516.3	507.6	504.1	495.8
67.5°	433.5	435.7	427.4	422.6	417.8
70°	355.0	356.7	349.8	345.4	341.0
72.5°	280.9	281.3	274.7	273.4	268.2
75°	212.4	214.1	207.6	206.3	202.8
77.5°	152.6	153.1	148.7	147.8	144.8
80°	101.2	101.6	98.6	98.1	95.5
82.5°	61.1	61.5	58.9	58.9	57.1
85°	30.5	31.0	29.7	29.7	28.8
87.5°	10.5	10.9	10.5	10.5	10.0
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)