

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: P506634

Luminaire Tested: **24PD-40-PR1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506634
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-40-PR1-L935
Description: 4000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

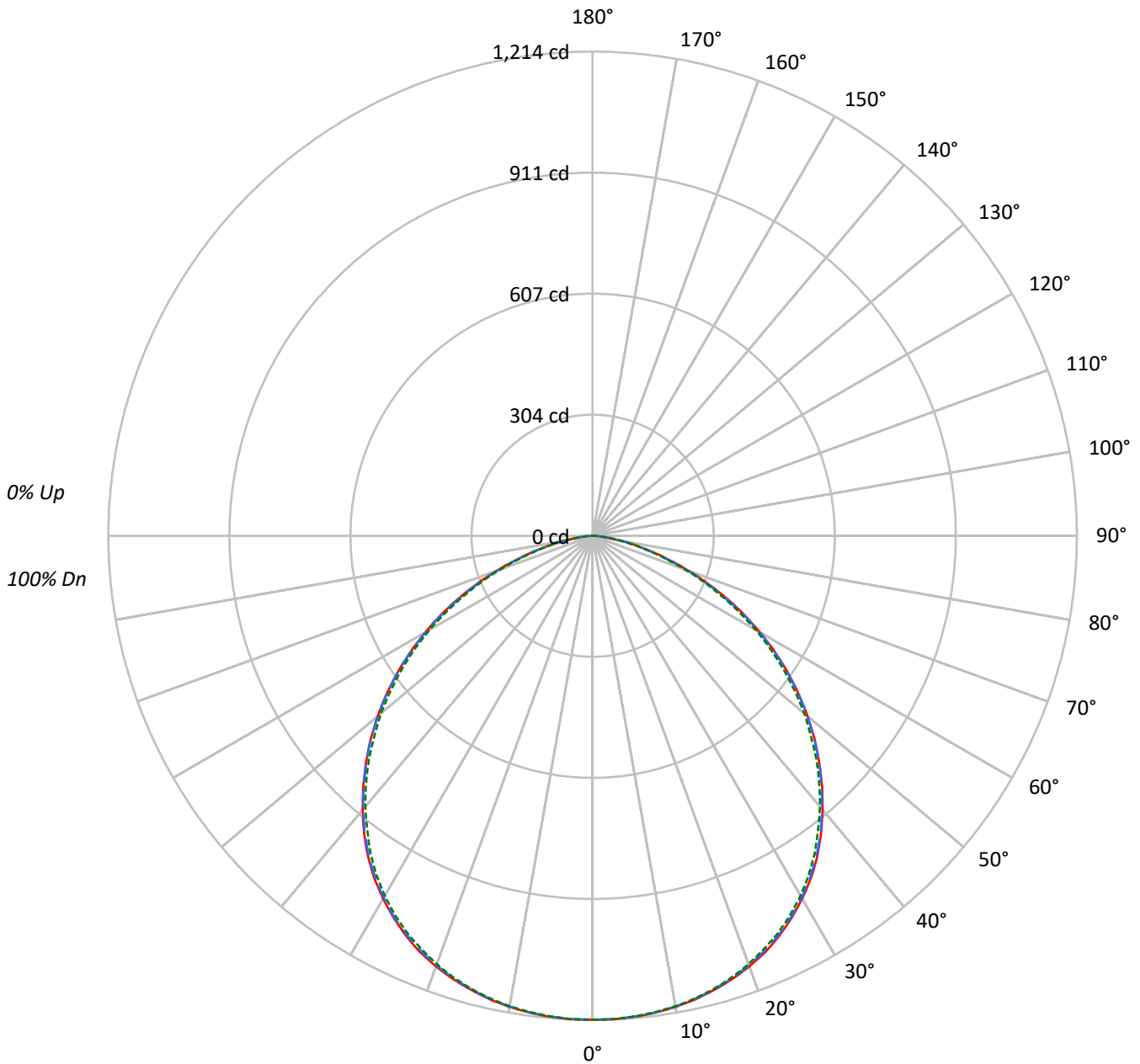
Lumens per Lamp: N/A
Luminaire Lumens: 3266.0 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 29.4
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				
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			
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°	1632	1632	1632
5°	1635	1634	1633
10°	1639	1637	1636
15°	1642	1640	1638
20°	1645	1641	1636
25°	1643	1639	1632
30°	1632	1628	1619
35°	1612	1607	1594
40°	1575	1571	1557
45°	1529	1526	1509
50°	1472	1471	1449
55°	1399	1396	1370
60°	1304	1299	1270
65°	1175	1161	1134
70°	1003	989	964
75°	793	775	757
80°	563	549	532
85°	338	329	320



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.1	3.5
10°-20°	332.4	10.2
20°-30°	508.2	15.6
30°-40°	610.3	18.7
40°-50°	616.7	18.9
50°-60°	529.9	16.2
60°-70°	361.5	11.1
70°-80°	162.5	5.0
80°-90°	29.2	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°	955.8	29.3
0°-40°	1566.1	48.0
0°-60°	2712.8	83.1
0°-90°	3266.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3266.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1213	1213	1213	1213	1213	
5°	1211	1210	1210	1209	1209	115
15°	1179	1178	1177	1176	1176	333
25°	1107	1107	1104	1100	1099	510
35°	982	982	978	972	971	613
45°	803	806	802	796	793	619
55°	596	599	595	590	584	532
65°	369	371	365	362	356	365
75°	153	154	149	148	146	165
85°	22	22	21	21	21	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1213.1	1213.1	1213.1	1213.1	1213.1
2.5°	1213.5	1213.1	1212.8	1212.2	1213.1
5°	1210.6	1210.3	1210.0	1209.4	1209.4
7.5°	1206.2	1205.6	1205.6	1204.7	1204.4
10°	1199.4	1199.0	1198.1	1198.1	1197.8
12.5°	1190.6	1190.0	1189.0	1188.7	1188.1
15°	1178.7	1178.4	1177.1	1176.2	1175.9
17.5°	1165.2	1164.3	1163.3	1161.1	1161.1
20°	1148.9	1148.3	1146.1	1143.9	1142.6
22.5°	1130.1	1128.9	1126.4	1124.2	1121.7
25°	1106.9	1106.6	1103.8	1100.0	1099.1
27.5°	1080.0	1080.6	1077.8	1074.0	1072.1
30°	1050.5	1051.8	1047.7	1043.0	1042.1
32.5°	1018.3	1018.6	1015.1	1010.1	1008.2
35°	981.6	981.6	978.5	972.5	970.6
37.5°	940.9	940.6	938.7	931.8	928.3
40°	896.7	898.3	894.5	888.2	886.7
42.5°	851.0	852.8	849.4	844.1	840.6
45°	803.3	805.5	802.1	796.4	793.0
47.5°	754.1	755.7	753.2	746.0	741.3
50°	703.1	706.2	702.8	695.2	692.1
52.5°	650.4	653.9	649.8	644.2	638.2
55°	596.5	598.7	595.3	590.0	584.0
57.5°	541.1	545.5	539.8	533.6	528.6
60°	484.7	488.5	482.8	477.2	471.8
62.5°	427.4	429.9	423.6	420.1	413.9
65°	369.1	371.0	364.7	362.2	356.2
67.5°	311.4	313.0	307.0	303.6	300.2
70°	255.0	256.3	251.3	248.1	245.0
72.5°	201.8	202.1	197.4	196.4	192.7
75°	152.6	153.8	149.1	148.2	145.7
77.5°	109.7	110.0	106.8	106.2	104.0
80°	72.7	73.0	70.8	70.5	68.6
82.5°	43.9	44.2	42.3	42.3	41.0
85°	21.9	22.2	21.3	21.3	20.7
87.5°	7.5	7.8	7.5	7.5	7.2
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)