

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: P506293

Luminaire Tested: **22PD-40-PW1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-40-PW1-L940
Description: 4000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

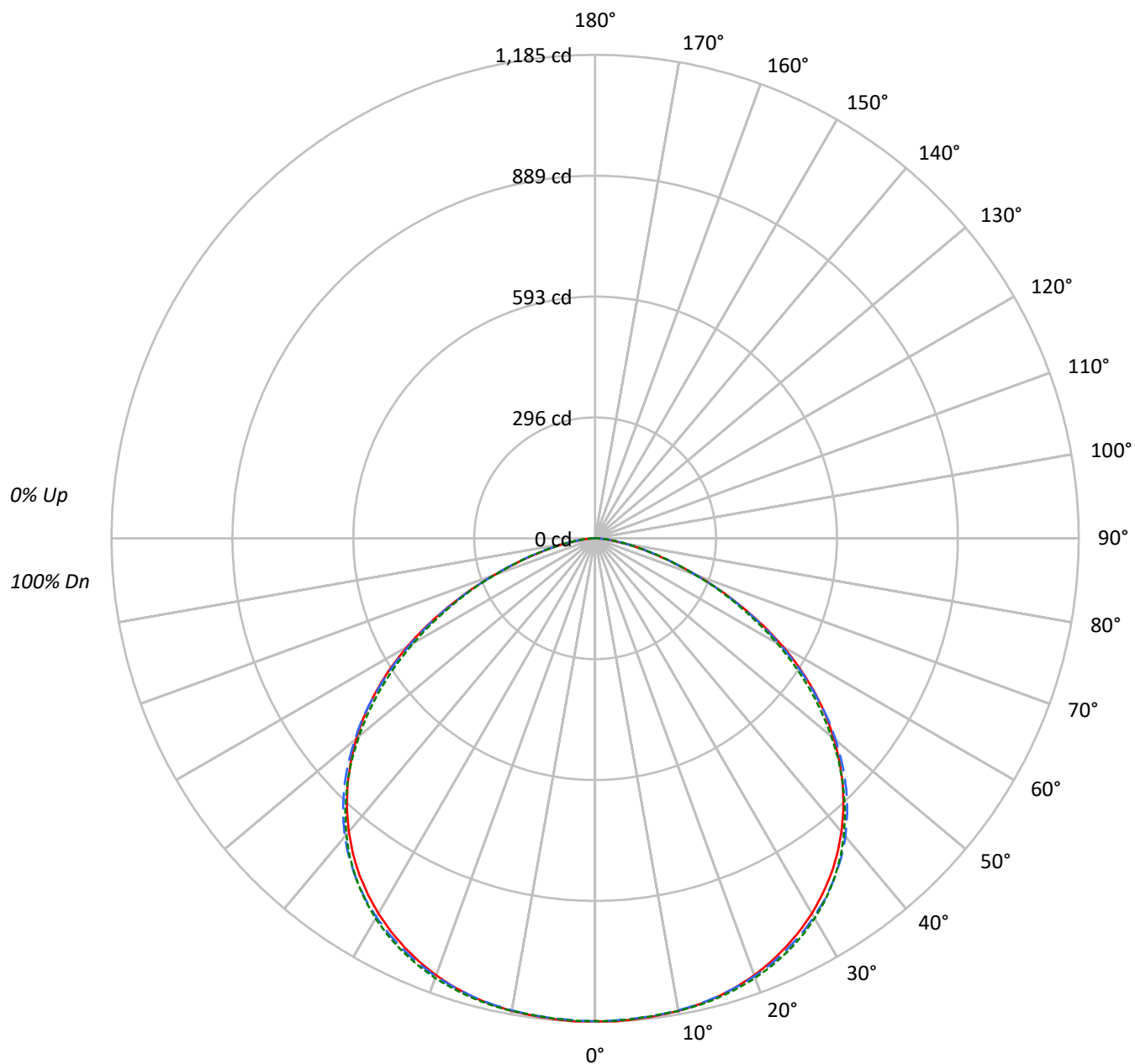
Lumens per Lamp: N/A
Luminaire Lumens: 3421.9 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 32.6
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

TEST NUMBER: P506293

CATALOG NUMBER: 22PD-40-PW1-L940

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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	70	62	56	68	61	55	66	60	55	63	58	54	52		
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45		
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39		
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35		
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31		
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	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°	3186	3186	3186
5°	3194	3190	3191
10°	3215	3210	3214
15°	3240	3239	3248
20°	3264	3271	3285
25°	3284	3303	3318
30°	3300	3331	3343
35°	3308	3351	3352
40°	3298	3352	3332
45°	3265	3312	3272
50°	3199	3222	3163
55°	3075	3061	3003
60°	2862	2830	2771
65°	2524	2500	2451
70°	2067	2077	2034
75°	1566	1619	1605
80°	1134	1181	1161
85°	744	772	824



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.6	3.3
10°-20°	328.8	9.6
20°-30°	512.6	15.0
30°-40°	635.3	18.6
40°-50°	664.8	19.4
50°-60°	579.3	16.9
60°-70°	388.0	11.3
70°-80°	168.2	4.9
80°-90°	32.4	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
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0°-30°	953.9	27.9
0°-40°	1589.2	46.4
0°-60°	2833.3	82.8
0°-90°	3421.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3421.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1184	1184	1184	1184	1184	
5°	1182	1181	1181	1180	1181	113
15°	1163	1161	1163	1164	1166	329
25°	1106	1106	1112	1116	1117	510
35°	1007	1011	1020	1021	1020	629
45°	858	863	870	863	860	661
55°	655	655	652	645	640	584
65°	396	394	393	389	385	392
75°	151	153	156	154	154	166
85°	24	26	25	25	27	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1183.8	1183.8	1183.8	1183.8	1183.8
2.5°	1185.1	1182.9	1182.5	1182.5	1183.8
5°	1182.5	1181.3	1180.8	1180.4	1181.3
7.5°	1180.0	1178.3	1178.7	1177.9	1178.7
10°	1176.6	1174.9	1174.9	1174.9	1176.2
12.5°	1170.7	1169.4	1169.8	1170.7	1172.4
15°	1163.1	1161.4	1162.6	1163.9	1166.0
17.5°	1152.5	1151.2	1153.3	1155.4	1157.1
20°	1139.8	1138.5	1142.3	1145.3	1147.0
22.5°	1124.1	1123.7	1128.8	1132.2	1133.4
25°	1105.9	1106.4	1112.3	1115.7	1117.4
27.5°	1085.2	1086.1	1093.7	1096.6	1098.3
30°	1061.9	1064.1	1072.1	1074.6	1075.9
32.5°	1035.7	1038.7	1048.4	1050.1	1050.1
35°	1006.9	1010.8	1020.1	1021.3	1020.5
37.5°	974.8	979.0	989.6	987.9	986.6
40°	938.8	943.5	954.1	950.7	948.6
42.5°	900.3	905.0	914.3	909.2	906.2
45°	858.0	862.7	870.3	863.1	859.7
47.5°	812.3	817.8	821.6	813.6	809.4
50°	764.1	765.8	769.6	760.3	755.6
52.5°	711.6	711.6	714.6	704.4	698.9
55°	655.4	654.9	652.4	645.2	640.1
57.5°	595.7	593.2	591.5	583.9	577.9
60°	531.8	528.0	525.9	519.5	514.9
62.5°	465.0	462.9	460.3	455.2	450.2
65°	396.4	394.3	392.6	388.8	385.0
67.5°	328.3	327.0	327.0	324.5	324.1
70°	262.7	263.6	264.0	264.0	258.5
72.5°	203.5	203.9	206.0	204.4	203.9
75°	150.6	153.2	155.7	154.4	154.4
77.5°	108.3	112.1	112.1	111.3	110.0
80°	73.2	74.9	76.2	75.7	74.9
82.5°	46.5	47.8	46.5	47.4	47.8
85°	24.1	25.8	25.0	25.4	26.7
87.5°	8.0	8.9	9.3	8.9	8.9
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)