

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: NEO-RAY

Report Number: P24881

Luminaire Tested: **79PF-1L35-4-U-DD-SI**

Test Date: 09/18/14

Test Information

Test Method: LM-79-08
Report Number: P24881
Test Lab: INNOVATION CENTER-P2
Test Date: 09/18/14
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: 79PF-1L35-4-U-DD-SI
Description: NEORAY PENTAFLEX PERIMETER DIRECT WALLWASH (1.2A)
Light Source: (98) 3500K LEDS
Ballast/Driver: (1) LG ELECTRONIC DRIVER
CLUNVCC CLUNVCC200024VD010

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1385.7 lumens
Efficiency: N/A
Efficacy: 47.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.29 / 1.34
Luminous Opening: Rectangular (W 4' x L: 0.67' x H: 0')
CIE Type: Direct

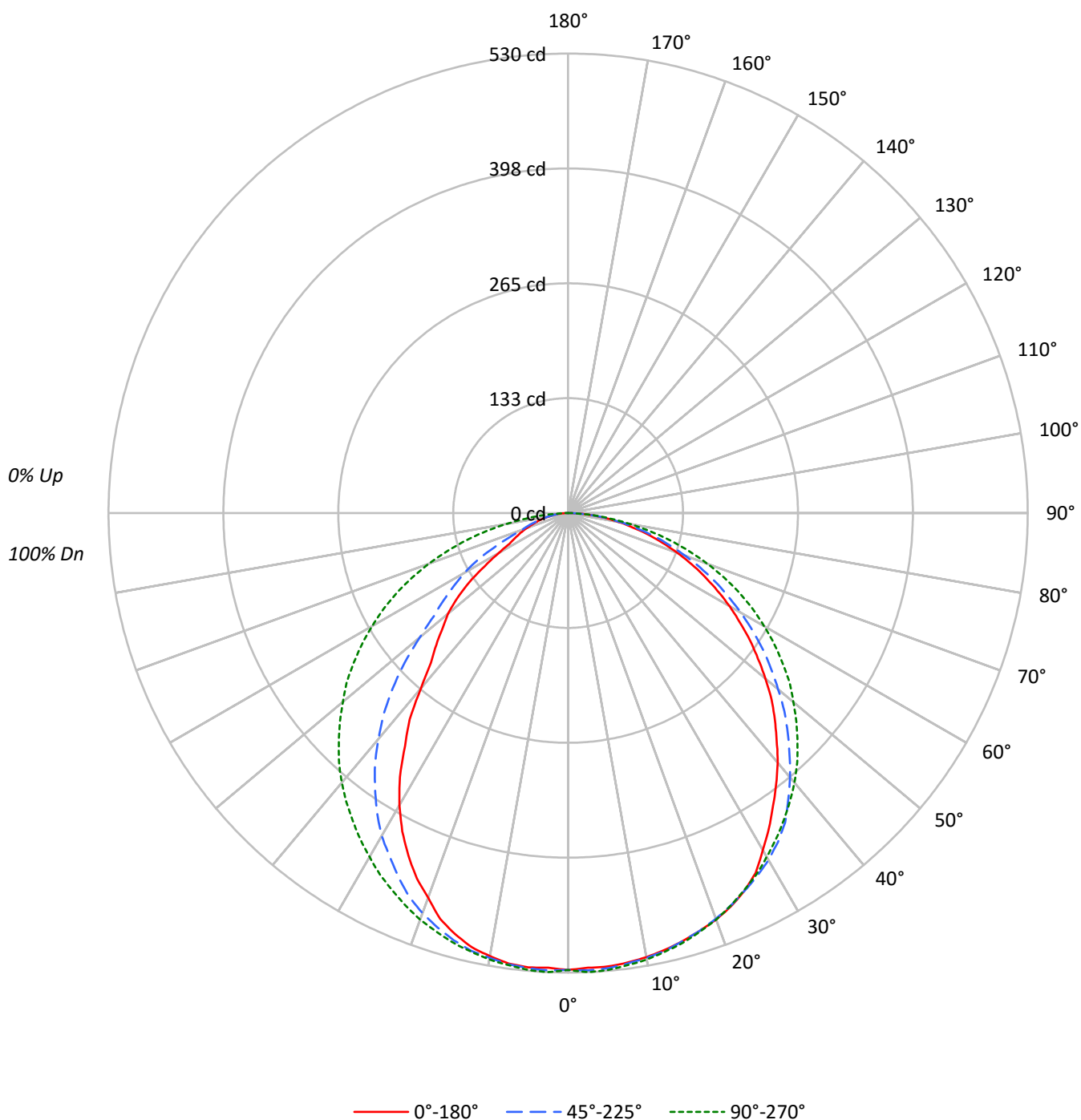
Input Watts (W): 28.9
Input Voltage (V): 120.09
Input Current (Ain): 0.24226
Voltage Rise (V): NR
Power Factor: 0.9967
Total Harmonic Distortion (THDi): 8.62%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: 24 HR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0
RW	70	50	30	10	70	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		100
1	109	105	100	97	106	102	98	95	98	95	92		94	92	89		85
2	100	92	85	79	97	90	84	78	86	81	77		83	79	75		71
3	91	81	73	66	89	79	72	66	76	70	65		73	68	64		60
4	83	72	63	57	81	70	62	56	68	61	55		66	60	55		52
5	77	64	55	49	75	63	55	49	61	54	48		59	53	48		45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		35
8	62	48	40	34	60	47	39	34	46	39	34		45	38	34		31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		26

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	2127	2127	2127
5°	2127	2143	2131
10°	2131	2144	2127
15°	2135	2144	2102
20°	2143	2143	2027
25°	2142	2138	1942
30°	2093	2135	1813
35°	2030	2134	1616
40°	1981	2139	1391
45°	1924	2135	1227
50°	1865	2129	1137
55°	1802	2125	978
60°	1736	2107	743
65°	1662	2082	640
70°	1581	2018	602
75°	1482	1903	561
80°	1371	1674	511
85°	1204	1297	509

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.0	3.6
10°-20°	143.6	10.4
20°-30°	216.3	15.6
30°-40°	253.3	18.3
40°-50°	249.9	18.0
50°-60°	213.8	15.4
60°-70°	151.5	10.9
70°-80°	84.0	6.1
80°-90°	23.3	1.7
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°	409.9	29.6
0°-40°	663.3	47.9
0°-60°	1126.9	81.3
0°-90°	1385.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1385.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	527	527	527	527	527	
5°	525	527	529	527	526	50
15°	511	511	513	510	503	144
25°	481	481	480	463	436	221
35°	412	436	433	388	328	258
45°	337	358	374	286	215	260
55°	256	274	302	175	139	229
65°	174	187	218	95	67	172
75°	95	102	122	38	36	101
85°	26	27	28	11	11	30
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	527	527	527	527	527	527	527	527	527
2.5°	525	528	528	525	530	525	528	528	525
5°	525	526	527	524	529	524	527	527	526
7.5°	523	523	524	521	526	522	525	524	524
10°	520	520	521	518	523	519	521	520	519
12.5°	516	516	517	513	518	514	517	514	513
15°	511	512	511	507	513	508	510	506	503
17.5°	505	506	505	501	506	501	501	494	491
20°	499	498	498	493	499	494	491	479	472
22.5°	491	491	490	485	490	486	479	461	456
25°	481	482	481	476	480	476	463	443	436
27.5°	468	472	472	465	470	464	446	422	414
30°	449	455	462	455	458	451	430	399	389
32.5°	431	436	450	443	446	438	410	373	361
35°	412	417	436	431	433	424	388	345	328
37.5°	394	398	417	418	420	407	366	316	300
40°	376	379	398	405	406	390	340	287	264
42.5°	356	360	378	391	391	374	315	253	234
45°	337	340	358	376	374	351	286	224	215
47.5°	318	321	338	361	357	334	256	205	196
50°	297	300	316	343	339	309	223	186	181
52.5°	276	280	295	323	322	286	195	168	161
55°	256	259	274	301	302	258	175	149	139
57.5°	235	238	252	278	282	232	156	127	114
60°	215	218	230	254	261	205	138	103	92
62.5°	194	197	208	230	240	177	118	81	76
65°	174	175	187	207	218	150	95	68	67
67.5°	154	155	165	183	195	123	73	59	59
70°	134	135	143	159	171	102	56	51	51
72.5°	114	115	122	137	146	83	48	43	43
75°	95	95	102	113	122	63	38	36	36
77.5°	76	76	81	91	97	42	31	29	29
80°	59	58	62	69	72	28	23	22	22
82.5°	42	42	44	48	49	19	17	16	17
85°	26	25	27	30	28	12	11	11	11
87.5°	11	11	12	13	11	5	5	5	6
90°	0	0	0	0	0	0	0	0	0

(END OF REPORT)