

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: PORTFOLIO

Report Number: P248022

Luminaire Tested: **LD8B175D010 ER8B175830 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248022
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13941)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175830 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
80 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16673.9 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

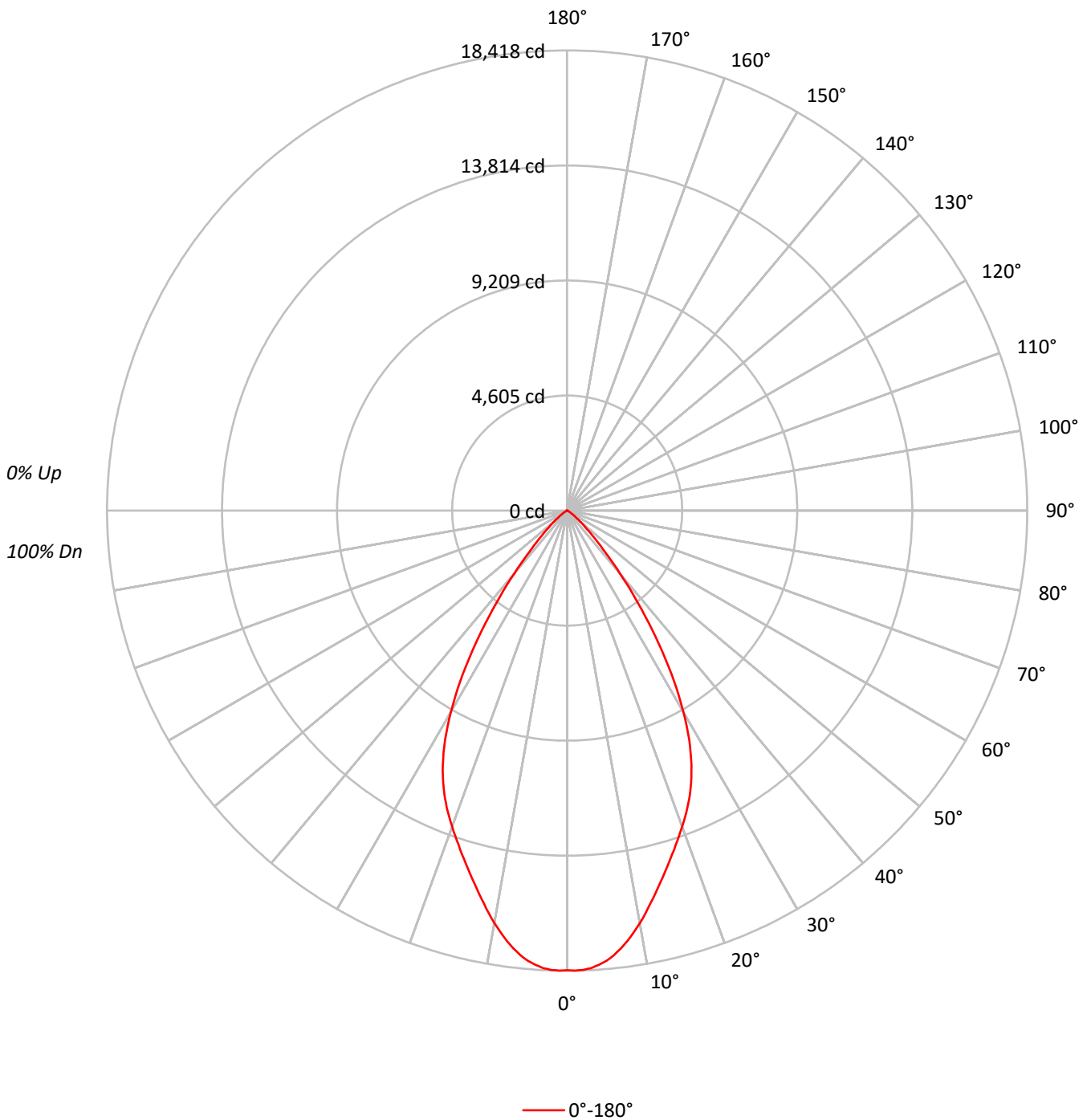
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248022

CATALOG NUMBER: LD8B175D010 ER8B175830 8LBM0WMH

Luminous Intensity Polar Plot





TEST NUMBER: P248022

CATALOG NUMBER: LD8B175D010 ER8B175830 8LBM0WMH

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92		95	92	90		92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84		89	86	83		87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77		84	80	77		82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72		79	74	71		77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66		74	69	66		73	69	65	64
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58		66	61	57		65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54		62	57	54		61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51		59	54	51		58	54	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	567154
5°	559851
10°	524836
15°	479944
20°	441832
25°	400368
30°	331527
35°	232513
40°	132319
45°	64895
50°	32027
55°	14521
60°	6914
65°	3721
70°	460
75°	608
80°	0
85°	0



TEST NUMBER: P248022

CATALOG NUMBER: LD8B175D010 ER8B175830 8LBM0WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1683.1	10.1
10°-20°	4220.3	25.3
20°-30°	5327.5	32.0
30°-40°	3832.5	23.0
40°-50°	1268.4	7.6
50°-60°	276.2	1.7
60°-70°	57.0	0.3
70°-80°	6.0	0.0
80°-90°	2.8	0.0
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°	11231.0	67.4
0°-40°	15063.4	90.3
0°-60°	16608.1	99.6
0°-90°	16673.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16673.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18392	
5°	18086	###
15°	15034	4220
25°	11767	5328
35°	6177	3832
45°	1488	1268
55°	270	276
65°	51	57
75°	5	6
85°	0	3
90°	0	



TEST NUMBER: P248022

CATALOG NUMBER: LD8B175D010 ER8B175830 8LBM0WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	18392.4
1°	18417.8
2°	18397.3
3°	18336.2
4°	18224.1
5°	18086.5
6°	17897.9
7°	17653.4
8°	17383.2
9°	17087.7
10°	16761.5
11°	16430.3
12°	16068.4
13°	15721.9
14°	15370.2
15°	15033.9
16°	14702.6
17°	14386.6
18°	14070.7
19°	13770.0
20°	13464.2
21°	13153.4
22°	12847.6
23°	12516.3
24°	12159.6
25°	11767.2
26°	11354.4
27°	10895.7
28°	10411.7
29°	9871.3
30°	9310.8
31°	8719.6
32°	8097.9
33°	7445.6
34°	6808.6
35°	6176.6
37.5°	4637.6
40°	3287.1
42.5°	2227.1
45°	1488.1
47.5°	998.8
50°	667.6
52.5°	402.6
55°	270.1
57.5°	188.5



TEST NUMBER: P248022

CATALOG NUMBER: LD8B175D010 ER8B175830 8LBM0WMH

CANDELA DISTRIBUTION (continued):

	0°
60°	112.1
62.5°	76.4
65°	51.0
67.5°	45.9
70°	5.1
72.5°	10.2
75°	5.1
77.5°	5.1
80°	0.0
82.5°	10.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)