

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: P249866

Luminaire Tested: **LD8B175D010 ER8B1759730 8LBN0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249866
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13959)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B1759730 8LBN0H
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11853.0 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.81
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

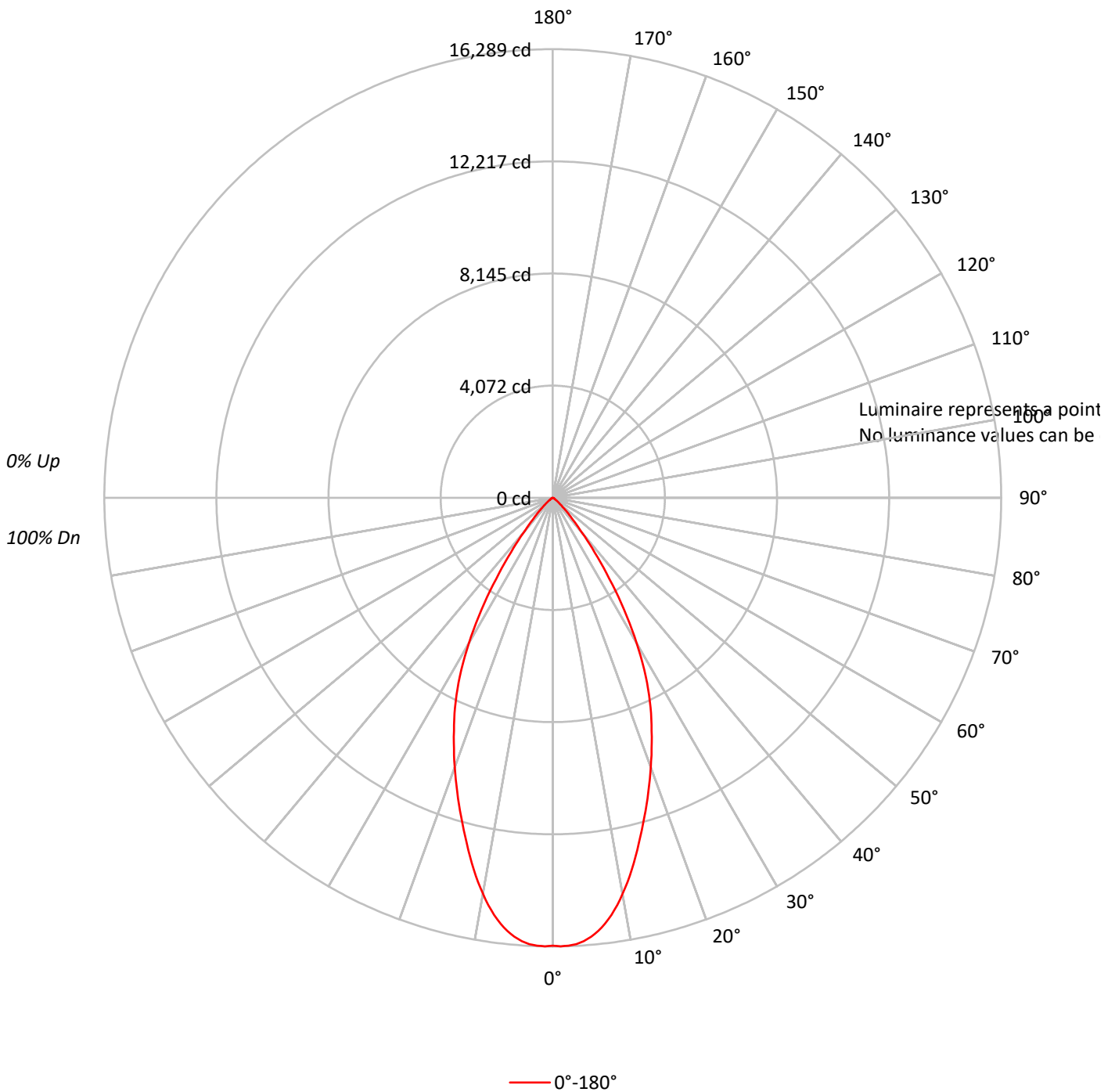
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249866

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBN0H

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	85	83	82
4	98	91	85	81	96	89	84	81	87	83	80		85	82	79		83	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79	76	73	71
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75	71	68	67
7	84	75	70	66	83	75	69	65	74	69	65		72	68	65		71	67	64	63
8	81	71	65	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58		65	61	57		64	60	57	56
10	73	64	58	55	72	64	58	55	63	58	54		62	57	54		61	57	54	53

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1482.5	12.5
10°-20°	3480.4	29.4
20°-30°	3803.9	32.1
30°-40°	2263.7	19.1
40°-50°	620.9	5.2
50°-60°	140.7	1.2
60°-70°	43.5	0.4
70°-80°	13.2	0.1
80°-90°	4.4	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°	8766.8	74.0
0°-40°	11030.4	93.1
0°-60°	11792.0	99.5
0°-90°	11853.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11853.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16257	
5°	15996	###
15°	12491	3480
25°	8403	3804
35°	3582	2264
45°	726	621
55°	140	141
65°	44	43
75°	12	13
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16257.2
1°	16289.2
2°	16269.2
3°	16229.1
4°	16136.8
5°	15996.4
6°	15815.9
7°	15575.3
8°	15294.5
9°	14969.6
10°	14604.6
11°	14215.5
12°	13798.3
13°	13369.1
14°	12923.9
15°	12490.7
16°	12065.5
17°	11648.4
18°	11231.2
19°	10814.0
20°	10408.9
22.5°	9390.1
25°	8403.3
27.5°	7316.3
30°	6109.0
32.5°	4813.4
35°	3582.0
37.5°	2490.9
40°	1652.6
42.5°	1083.0
45°	726.0
47.5°	481.3
50°	320.9
52.5°	196.5
55°	140.4
57.5°	100.3
60°	76.2
62.5°	56.2
65°	44.1
67.5°	28.1
70°	20.1
72.5°	16.0
75°	12.0
77.5°	8.0
80°	8.0



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	4.0
85°	4.0
87.5°	4.0
90°	0.0

(END OF REPORT)