

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: LUMARK

Report Number: P306969

Luminaire Tested: **RPGC25S - POSITION 2-347**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P306969
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-276-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: RPGC25S - POSITION 2-347
Description: ROUND PARKING GARAGE LUMEN SELECT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3682.7 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.1')
IES Classification: Type V - Short - Cutoff
BUG Rating: B2 - U3 - G1

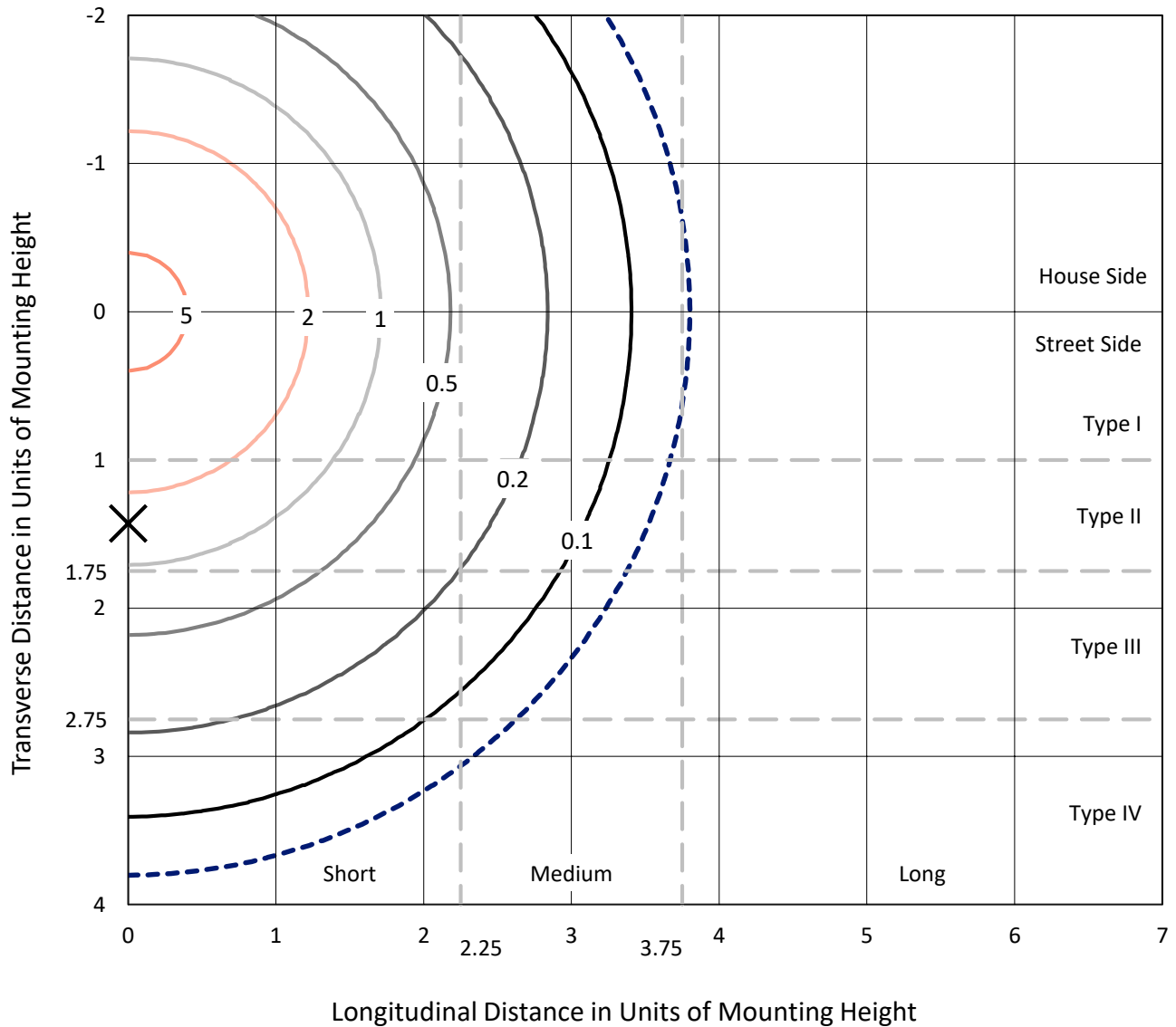
Input Watts (W): 32.32
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

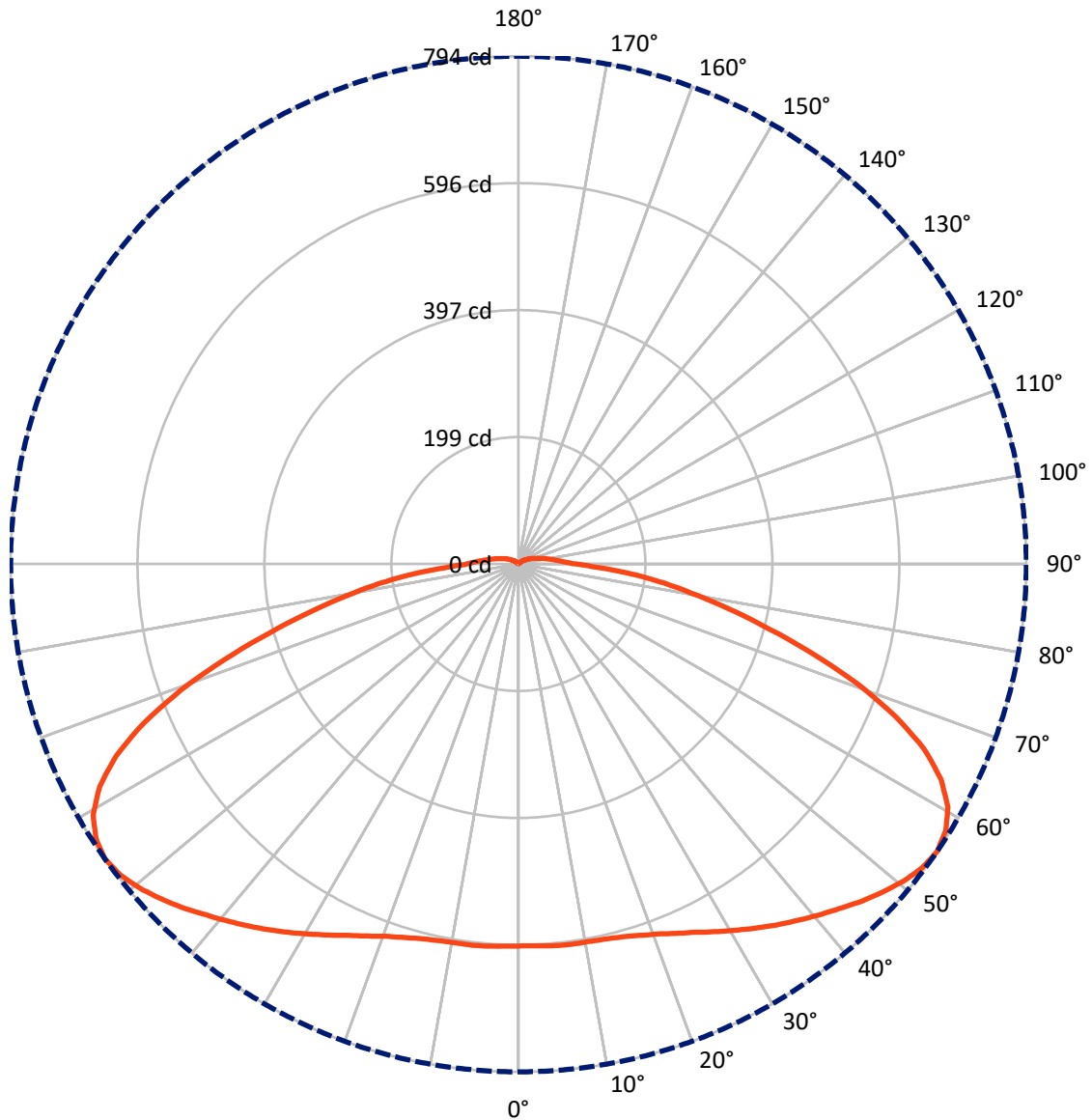
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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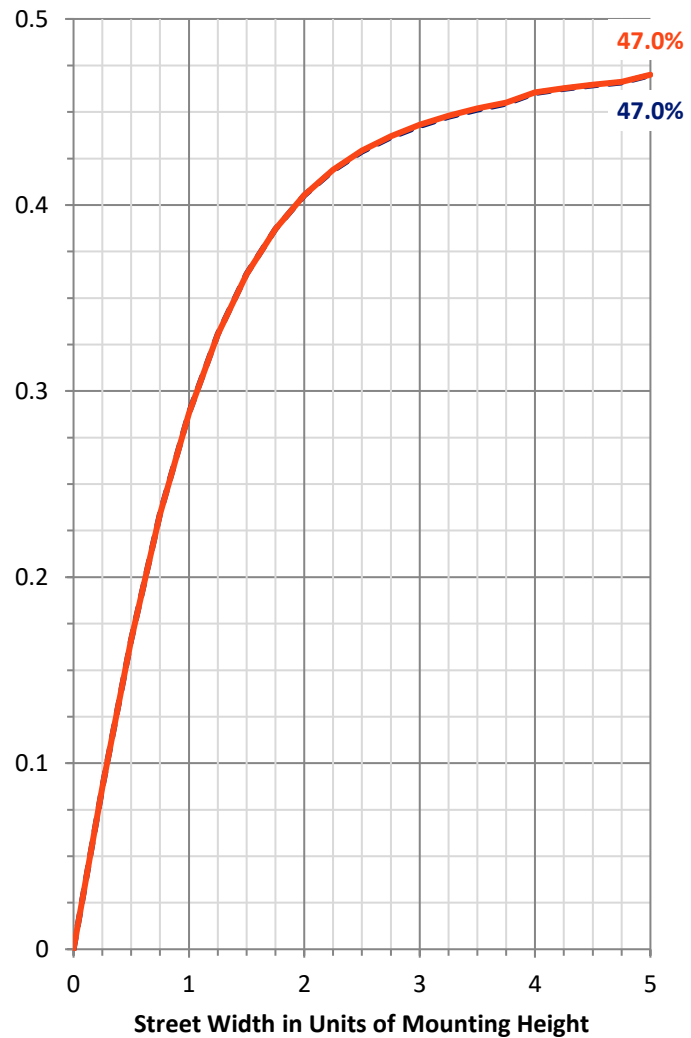
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1774.5	66.8	1841.4
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	1774.5	66.8	1841.4
	% Fixture	48.2	1.8	50.0
Total	Lumens	3549.1	133.6	3682.7
	% Fixture	96.4	3.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	1.6
10°-20°	172.3	4.7
20°-30°	296.7	8.1
30°-40°	436.4	11.9
40°-50°	582.8	15.8
50°-60°	706.1	19.2
60°-70°	679.5	18.5
70°-80°	432.7	11.8
80°-90°	185.2	5.0
90°-100°	67.4	1.8
100°-110°	36.1	1.0
110°-120°	18.8	0.5
120°-130°	8.3	0.2
130°-140°	2.7	0.1
140°-150°	0.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3549.1	96.4
0°-180°	3682.7	100.0



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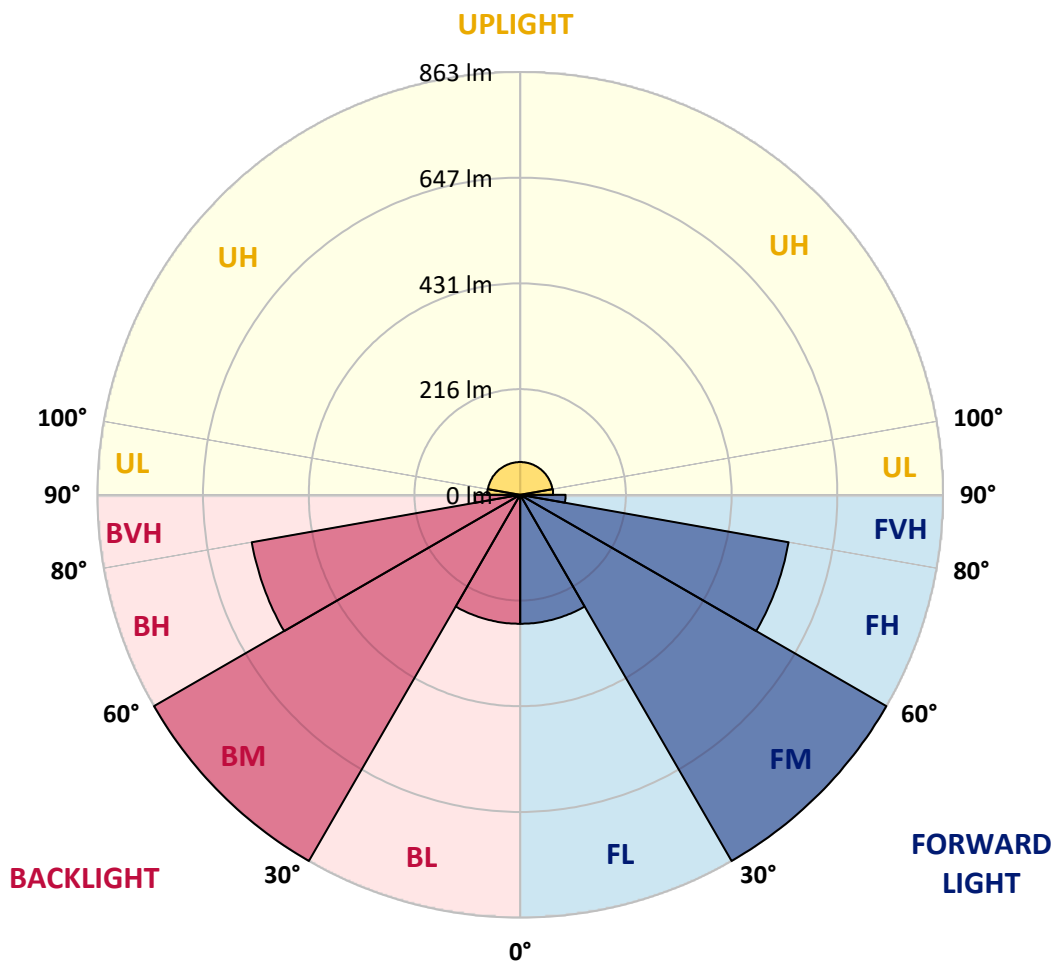
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	263.1	7.1			
FM	(30°-60°)	862.7	23.4			
FH	(60°-80°)	556.1	15.1			G0/660
FVH	(80°-90°)	92.6	2.5			G1/100
BL	(0°-30°)	263.1	7.1	B1/500		
BM	(30°-60°)	862.7	23.4	B1/1000		
BH	(60°-80°)	556.1	15.1	B2/1000		G0/660
BVH	(80°-90°)	92.6	2.5			G1/100
UL	(90°-100°)	67.4	1.8		U3/500	
UH	(100°-180°)	66.8	1.8		U3/500	

BUG Rating: B2-U3-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°
0°	597.3
2.5°	598.2
5°	599.6
7.5°	600.6
10°	600.6
12.5°	602.0
15°	605.2
17.5°	610.8
20°	617.8
22.5°	627.6
25°	638.3
27.5°	651.4
30°	664.9
32.5°	679.3
35°	693.8
37.5°	707.7
40°	722.2
42.5°	736.6
45°	752.5
47.5°	766.9
50°	780.0
52.5°	790.2
55°	794.4
57.5°	787.9
60°	772.0
62.5°	741.8
65°	697.5
67.5°	636.5
70°	563.3
72.5°	482.7
75°	404.4
77.5°	335.0
80°	273.5
82.5°	219.5
85°	165.9
87.5°	116.0
90°	83.9
92.5°	70.8
95°	60.1
97.5°	51.7
100°	44.7
102.5°	38.7
105°	33.5
107.5°	28.9
110°	25.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	21.9
115°	18.6
117.5°	15.8
120°	13.0
122.5°	11.2
125°	8.9
127.5°	7.5
130°	5.6
132.5°	4.7
135°	3.3
137.5°	2.3
140°	1.4
142.5°	0.9
145°	0.5
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)